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Identifiers-Educational Resources Information Center, Pacesetters in Innovation, Research in Education, Science Education Information Analysis Center

This newsletter lists references to research reports in science education. Of these, 49 were published in United States Office of Education Research Reports over the period 1956-1965, 160 in "Research in Education," and 104 in "Pacesetters in Innovation," for the fiscal year, 1966. Titles, pertinent descriptors, and cost of the document in both microfiche and hardcopy are listed. (GR)

# SEIAC

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OFFICE OF EDUCATION

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## CENTER COMMENTS

The ERIC Information Analysis Centers are placing increasing emphasis on collection and analysis of documents. Documents collected and analyzed by the Centers are announced in *Research in Education*. Information analysis products of this Center, including bibliographies and research reviews, are also announced in *Research in Education*. Usually these publications will be available through the ERIC Document Reproduction Service.

Beginning September 1, 1968, this Center will provide only prepackaged materials to users. A variety of information analysis products are being developed to provide information for many groups of users. These will be announced in the SEIAC Newsletter as they are available.

## BIBLIOGRAPHIES AVAILABLE

A limited supply of five bibliographies announcing the first 2,000 documents processed by this Center are available. These bibliographies will also be available on microfiche and hardcopy at a later date from the ERIC Document Reproduction Service. Bibliographies currently available are Bibliography 6, Teacher Resource Materials; Bibliography 7, Science and Society, History of Science Education, Science History, General Studies and Surveys; Bibliography 8, Legislative Acts and Reports, Administration and Supervision Science Facilities; Bibliography 9, Evaluation, Educational Objectives, Learning Theory and Processes, Research Methodology; and Bibliography 10, Teacher Characteristics, Student Characteristics, Guidance and Counseling.

ED025441

## DOCUMENTS AVAILABLE THROUGH EDRS

The Center has received many requests for a list of documents related to science and mathematics education that are available through the ERIC Document Reproduction Service (EDRS). Information analysts have reviewed all issues of *Research in Edution* through December, 1967, *U.S. Office of Education Research Reports, 1956-1965,* and *Pacesetters in Innovation, Fiscal Year 1966.* This issue of the SEICAC Newsletter contains a listing of documents related to science education from these three sources. The documents are listed according to the publication in which they were announced.

Author, title, descriptor information and prices are provided for each document. Prices listed are current EDRS prices. When ordering documents, be certain to include the ERIC Document number of each document and indicate whether you desire microfiche (MF) or hard copy (HC). If your order does not exceed $3.00, a 50¢ handling charge should be included. Requests for documents should be addressed to EDRS, The National Cash Register Company, 4936 Fairmont Avenue, Bethesda, Maryland 20014.

SE 006 180

## OUTDOOR EDUCATION PROGRAM DESCRIPTIONS AVAILABLE

A limited supply of Newsletter 3 listing examples of various kinds of outdoor education programs in the United States is available. Each entry in the directory contains the name of the person to contact for additional information, the address of the project, and a brief description of each project. Single copies of the newsletter are available on request.

## NUMBER OF SCIENCE AND MATHEMATICS EDUCATION DOCUMENTS INCREASING IN RESEARCH IN EDUCATION

*Research in Education* (RIE), the publication that lists selected abstracts of documents processed by the ERIC Information Analysis Centers, continues to become larger and to contain more documents of interest to persons concerned about science and mathematics education. Each future issue of *Research in Education* will contain approximately 40 to 60 documents processed by the ERIC Information Analysis Center for Science Education. If you haven't subscribed to RIE you will miss announcements of many recent research reports, curriculum materials, and other selected documents.

# SCIENCE EDUCATION REPORTS
## *IN*
## *U.S. OFFICE OF EDUCATION RESEARCH REPORTS, 1956-1965*

ED 002 864
IDENTIFICATION OF GIFTED ELEMENTARY SCHOOL CHILDREN WITH EXCEPTIONAL SCIENTIFIC TALENT.
LESSER, GERALD S. DAVIS, FREDERICK B.
CITY UNIVERSITY OF NEW YORK, HUNTER COLLEGE
EDRS PRICE MF-$0.50 HC-$2.56 64P.
PUB DATE 1 SEPT 60

DESCRIPTORS- *IDENTIFICATION, *PREDICTIVE VALIDITY, *SCIENCES, *TALENTED STUDENTS, *TEST CONSTRUCTION, ABILITY IDENTIFICATION, ELEMENTARY SCHOOL STUDENTS, GIFTED, GRADE 3, HUNTER SCIENCE APTITUDE TEST, NEW YORK, NEW YORK CITY, SUPERIOR STUDENTS.

ED 002 874
CAREER DEVELOPMENT OF SCIENTISTS, AN OVERLAPPING LONGITUDINAL STUDY.
COOLEY, WM. W.
HARVARD UNIV.,
CAMBRIDGE, MASS.
GRAD. SCH. OF EDUC.
EDRS PRICE MF-$0.75 HC-$7.80 195P.
PUB DATE 63

DESCRIPTORS- *CAREER PLANNING *OCCUPATIONAL CHOICE, *SCIENCE CAREERS, SCIENCE EDUCATION, ACADEMIC ABILITY, CAMBRIDGE, FACTOR ANALYSIS, MASSACHUSETTS, SOCIOECONOMIC STATUS, STUDENT EVALUATION, VOCATIONAL COUNSELING, VOCATIONAL INTERESTS.

ED 002 889
AN ANALYSIS OF THE FACTORS RELATED TO THE MOTIVATION AND ACHIEVEMENT OF STUDENTS IN SCIENCE COURSES IN THE JUNIOR AND SENIOR HIGH SCHOOL, FINAL REPORT.
MALLINSON, GEORGE G.
WESTERN MICHIGAN UNIV., KALAMAZOO
SCH. GRAD. STUDIES.
EDRS PRICE MF-$1.00 HC-$8.12 203P.
PUB DATE 63

DESCRIPTORS- *ACADEMIC ACHIEVEMENT, *HIGH SCHOOL STUDENTS, *SCIENCE COURSES, *STUDENT MOTIVATION, *TESTING PROGRAMS, FACTOR ANALYSIS, INTELLIGENCE, INTERESTS, KALAMAZOO, MICHIGAN, PARENT INFLUENCE, READING ABILITY, STUDENT TEACHER RELATIONSHIP, TEACHING METHODS.

ED 002 914
FACILITIES AND EQUIPMENT AVAILABLE FOR TEACHING SCIENCE IN PUBLIC HIGH SCHOOLS, 1958-59.
SOLBERG, ARCHIE N. KOELSCHE, CHARLES L.
TOLEDO UNIVERSITY, OHIO, RESEARCH FOUNDATION
EDRS PRICE MF-$0.50 HC-$3.20 80P.
PUB DATE 59

DESCRIPTORS- *FACILITIES, *HIGH SCHOOLS, *SCIENCE EDUCATION, *SCIENCE EQUIPMENT, BUDGETTING, EDUCATIONAL FACILITIES, EFFECTIVE TEACHING, EXPENDITURES, LABORATORIES, LABORATORY EQUIPMENT, OHIO, STATISTICAL SURVEYS, TOLEDO.

ED 002 915
PSYCHOLOGICAL PROBLEMS AND RESEARCH METHODS IN MATHEMATICS TRAINING.
DU BOIS, PHILIP M. FEIERABEND, ROSALIND L.
WASHINGTON UNIV., ST. LOUIS, MO.
EDRS PRICE MF-$1.00 HC-$8.84 221P.
PUB DATE JUN 59

DESCRIPTORS- *CURRICULUM GUIDES, *LEARNING PROCESSES, *MATHEMATICS INSTRUCTION, *RESEARCH METHODOLOGY, CONFERENCES, MANUALS, MATHEMATICAL EXPERIENCE, MISSIOURI, PSYCHOEDUCATIONAL PROCESSES, ST. LOUIS, SURVEYS, TEACHING TECHNIQUES.

ED 002 923
EVALUATION AND FOLLOWUP STUDY OF A SUMMER SCIENCE AND MATHEMATICS PROGRAM FOR TALENTED SECONDARY SCHOOL STUDENTS.
COOLEY, WM. W. BASSET, ROBT. D.
HARVARD UNIV.,
CAMBRIDGE, MASS., GRAD. SCH. OF EDUC.
EDRS PRICE MF-$0.50 HC-$4.68 117P.
PUB DATE 30 JUN 60

DESCRIPTORS- *MATHEMATICS CURRICULUM, *SCIENCE COURSES, *SECONDARY SCHOOL STUDENTS, *SUMMER PROGRAMS, *TALENTED STUDENTS, CAMBRIDGE, EDUCATIONAL IMPROVEMENT, RESEARCH SKILLS, SCIENCE CAREERS.

ED 002 936
WHY SUCCESSFUL STUDENTS OF THE NATURAL SCIENCES ABANDON CAREERS IN SCIENCE.
NORDSTRON, CARL FRIEDENBERG, EDGAR Z.
UNIV., OF NEW YORK, BROOKLYN COLL.
EDRS PRICE MF-$0.50 HC-$4.24 106P.
PUB DATE JUN 61

DESCRIPTORS- *CAREER PLANNING, *CHANGING ATTITUDES, *NATURAL SCIENCE, *OCCUPATIONAL CHOICE, *SCIENCE CAREERS, BROOKLYN, NEW YORK.

ED 003 043
USE OF BIOGRAPHICAL INFORMATION ON STUDENTS WHO DO AND DO NOT ACHIEVE IN HIGH SCHOOL SCIENCE COURSES.
CLINE, VICTOR B. AND OTHERS
UTAH UNIV., SALT LAKE CITY
EDRS PRICE MF-$0.50 HC-$3.76 94P.
PUB DATE 63

DESCRIPTORS- *HIGH SCHOOLS, *PREDICTIVE ABILITY (TESTING), *SCIENCE COURSES, *SELF EVALUATION, ABILITY IDENTIFICATION, ACADEMIC PERFORMANCE, ACHIEVEMENT RATINGS, BIOGRAPHICAL INFORMATION BLANK (BIB), BIOGRAPHIES, FACTOR ANALYSIS, MEASURING INSTRUMENTS, PREDICTIVE VALIDITY, SALT LAKE CITY, SCIENCE CAREERS, SECONDARY SCHOOL STUDENTS, UTAH.

ED 003 181
EFFECTS OF INSERTED QUESTIONS IN FILMS ON DEVELOPING AN UNDERSTANDING OF CONTROLLED EXPERIMENTATION.
VUKE, GEO. J.
INDIANA UNIV.,
BLOOMINGTON, SCH. OF EDUCATION.
EDRS PRICE MF-$0.50 HC-$2.56 64P.
PUB DATE FEB 62

DESCRIPTORS- *GRADE 7, *INSTRUCTIONAL FILMS, *MEDIA RESEARCH, *QUESTIONING TECHNIQUES, *SCIENCE EDUCATION, *STATISTICAL ANALYSIS, BLOOMINGTON, COMPARATIVE ANALYSIS, EDUCATIONAL RESEARCH, FILMS, INDIANA, JUNIOR HIGH SCHOOLS

ED 003 194
EFFECT OF VARIED PRESENTATIONS OF LABORATORY EXERCISES WITHIN PROGRAMED MATERIALS ON STUDENT ABILITY TO APPLY SCIENTIFIC PRINCIPLES TO PROBLEM SITUATIONS.
NASCA, DONALD
STATE UNIV. OF N.Y., BROCKPORT
EDRS PRICE MF-$0.50 HC-$3.48 87P.
PUB DATE 30 APR. 64

DESCRIPTORS- *GRADE 8, *LABORATORY EXPERIMENTS, *SCIENCE INSTRUCTION, *TEACHING METHODS, BROCKPORT, NEW YORK, PROGRAMED INSTRUCTION, SCIENTIFIC METHODOLOGY.

ED 003 200
THE INFLUENCE OF EXTERNAL PACING ON LEARNING FROM PROGRAMED INSTRUCTION, REPORT-STUDIES IN TELEVISED INSTRUCTION, INDIVIDUALIZING GROUP INSTRUCTION.
GROOPER, GEO. L. KRESS, GERARD C., JR.
METROPOLITAN PITTSBURGH ED. TV STATION, PA.
EDRS PRICE MF-$0.50 HC-$2.52 63P.
PUB DATE NOV 64

DESCRIPTORS- *INDIVIDUALIZED PROGRAMS, *PACING, *PROGRAMED INSTRUCTION, *SCIENCE EDUCATION, *TELEVISED INSTRUCTION, ACADEMIC PERFORMANCE, BEHAVIOR PATTERNS, GRADE 8, HIGH ACHIEVERS, LEARNING PROCESSES, LOW ACHIEVERS, PENNSYLVANIA, PITTSBURGH, SELF PACING MACHINES, STUDENT TESTING, TIME FACTORS (LEARNING).

ED 003 201
ACCOMMODATING INDIVIDUAL DIFFERENCES DURING EXTERNALLY PACED PROGRAMED INSTRUCTION, REPORT 3--STUDIES IN TELEVISED INSTRUCTION.
GROPPER, GEORGE L. KRESS, GERARD C., JR.
METROPOLITAN PITTSBURGH EDUC. TV. STATION, PA.
EDRS PRICE MF-$0.50 HC-$3.00 75P.
PUB DATE NOV 64

DESCRIPTORS- *FIXED SEQUENCE, *INDIVIDUAL DIFFERENCES, *PACING, *PERFORMANCE, *SCIENCE INSTRUCTION, *TIME FACTORS (LEARNING), ACADEMIC PERFORMANCE, BEHAVIOR PATTERNS, GRADE 8, HIGH ACHIEVERS, INDIVIDUALIZED PROGRAMS, LEARNING PROCESSES, LOW ACHIEVERS, PENNSYLVANIA, PERFORMANCE FACTORS, PITTSBURGH, PROGRAMED INSTRUCTION, STUDENT TESTING, TELEVISED INSTRUCTION.

ED 003 202
A SUMMARY REPORT, REPORT 4--STUDIES IN TELEVISED INSTRUCTION, INDIVIDUALIZING GROUP INSTRUCTION.
GROPPER, GEO. L. KRESS, GERARD C., JR.
METROPOLITAN PITTSBURGH EDUC. TV STATION, PA.
EDRS PRICE MF-$0.25 HC-$1.00 25P.
PUB DATE NOV 64

DESCRIPTORS- *INDIVIDUALIZED PROGRAMS, *PACING, *PERFORMANCE, *PROGRAMED INSTRUCTION, *SCIENCE EDUCATION, *TELEVISED INSTRUCTION, ACADEMIC PERFORMANCE LEARNING PROCESSES, PENNSYLVANIA, PITTSBURGH, SELF PACING MACHINES, TIME FACTORS, LEARNING.

ED 003 205
ATOMIC PHYSICS, AN AUTOINSTRUCTIONAL PROGRAM, VOLUME 2, SUPPLEMENT.
KLAUS, DAVID J. DETERLINE, WM. A.
AMERICAN INST. FOR RESEARCH IN BEHAVIORAL SCIENCES.
EDRS PRICE MF-$1.00 HC-$8.04 201P.
PUB DATE 61

DESCRIPTORS- *AUTOINSTRUCTIONAL AIDS, *NUCLEAR PHYSICS, *PHYSICS INSTRUCTION, *PROGRAMED TEXTS, EXPERIMENTAL PROGRAMS, LEARNING PROCESSES, PENNSYLVANIA, PITTSBURGH.

ED 003 206
ATOMIC PHYSICS, AN AUTOINSTRUCTIONAL PROGRAM, VOLUME 3, SUPPLEMENT
KLAUS, DAVID J. DETERLINE, WILLIAM A.
AMERICAN INST. FOR RESEARCH IN BEHAVIORAL SCIENCES.
EDRS PRICE MF-$1.00 HC-$8.48 212P.
PUB DATE 61

DESCRIPTORS- *AUTOINSTRUCTIONAL AIDS, *NUCLEAR PHYSICS, *PHYSICS INSTRUCTION, *PROGRAMED TEXTS, EXPERIMENTAL PROGRAMS LEARNING PROCESSES, PITTSBURGH, PENNSYLVANIA

ED 003 207
ATOMIC PHYSICS, AN AUTOINSTRUCTIONAL PROGRAM, VOLUME 4, SUPPLEMENT.
KLAUSE, DAVID DETERLINE, WILLIAM A.

AMERICAN INST. FOR RESEARCH IN BEHAVIORAL SCIENCES.
EDRS PRICE MF-$0.75 HC-$7.28 182P.
PUB DATE 61

DESCRIPTORS- *AUTOINSTRUCTIONAL AIDS, *NUCLEAR PHYSICS, *PHYSICS INSTRUCTION, *PROGRAMED TEXTS, EXPERIMENTAL PROGRAMS, LEARNING PROCESSES, PENNSYLVANIA, PITTSBURGH.

ED 003 214
ELEMENTARY ELECTRONICS LABORATORY
DETERLINE, WM. A., KLAUS, DAVID J.
AMERICAN INST. FOR RESEARCH IN BEHAVIORAL SCIENCES.
EDRS PRICE MF-$0.50 HC-$4.68 117P.
PUB DATE 61

DESCRIPTORS- *AUTOINSTRUCTIONAL AIDS, *ELECTRONICS, *INSTRUCTIONAL MATERIALS, ELECTRONIC EQUIPMENT, PENNSYLVANIA, PITTSBURGH, TASK PERFORMANCE.

ED 003 215
ELEMENTARY ELECTRONICS, AN AUTOINSTRUCTIONAL PROGRAM FOR JUNIOR HIGH SCHOOL STUDENTS.
DETERLINE, WM. A. KLAUS, DAVID J.
AMERICAN INST. FOR RESEARCH IN BEHAVIORAL SCIENCES.
EDRS PRICE MF-$0.75 HC-$6.12 153P.
PUB DATE 61

DESCRIPTORS- *AUTOINSTRUCTIONAL AIDS, *ELECTRONICS, *INSTRUCTIONAL MATERIALS, *PROGRAMED TEXTS, ELECTRICITY, PENNSYLVANIA, PITTSBURGH, PROGRAMED INSTRUCTION, RADIO.

ED 003 295
COMPUTER GRADING OF PHYSICS LABORATORY REPORTS.
WEAVER, HARRY T. CARR, HOWARD E.
AUBURN UNIV., ALA.
EDRS PRICE MF-$0.25 HC-$1.28 32P.
PUB DATE 62

DESCRIPTORS- *COMPUTER PROGRAMS, *COMPUTERS, GRADING, *PHYSICS, ALABAMA, AUBURN, DIGITAL COMPUTERS, MEASUREMENT, PHYSICS EXPERIMENTS, SCORING.

ED 003 318
A COMPARISON OF THREE METHODS OF TEACHING ELEMENTARY SCHOOL SCIENCE INVOLVING PROGRAMED LEARNING.
HEDGES, WM. D. MACDOUGALL, MARY A.
VIRGINIA UNIV., CHARLOTTESVILLE.
EDRS PRICE MF-$0.75 HC-$7.12 178P.
PUB DATE 65

DESCRIPTORS- *PROGRAMED INSTRUCTION, *PROGRAMED MATERIALS, *SCIENCE INSTRUCTION, CHARLOTTESVILLE, COMPARATIVE ANALYSIS, ELEMENTARY EDUCATION, GRADE 4, PERFORMANCE, VIRGINIA.

ED 003 335
METHODS OF PROGRAMED INSTRUCTION RELATED TO STUDENT CHARACTERISTICS.
WOODRUFF, A. BOND AND OTHERS
NORTHERN ILL. UNIV., DE KALB
EDRS PRICE MF-$0.75 HC-$6.64 166P.
PUB DATE 65

DESCRIPTORS- *ACHIEVEMENT GAINS, *EVALUATION, GENERAL SCIENCE, *GRADE 8, *PROGRAMED INSTRUCTION, DE KALB, ILLINOIS, LEARNING PROCESSES, PERFORMANCE, STUDENT CHARACTERISTICS.

ED 003 456
TEACHING SCIENTIFIC THINKING AT THE HIGH SCHOOL LEVEL.
SHOCKLEY, WM. MCDONALD, FREDERICK J.
STANFORD UNIV., CALIF., SCHOOL OF EDUCATION.
EDRS PRICE MF-$0.75 HC-$5.44 136P.
PUB DATE OCT 64

DESCRIPTORS- *MATHEMATICS INSTRUCTION, *SCIENCE EDUCATION, *SCIENTIFIC METHODOLOGY, *TEACHING TECHNIQUES, CALIFORNIA, COGNITIVE DEVELOPMENT, JUNIOR HIGH SCHOOLS, SCIENCE INSTRUCTION, STANFORD, SUMMER PROGRAMS, TEAM TEACHING.

ED 003 503
THE DEVELOPMENT OF A MOBILE LABORATORY FOR THE IN-SERVICE EDUCATION OF TEACHERS OF SCIENCE AND MATHEMATICS.
RICHARDSON, JOHN S. DIEHL, T. HANDLEY
OHIO STATE UNIV. COLUMBUS, RESEARCH FOUNDATION.
EDRS PRICE MF-$0.75 HC-$7.64 191P.
PUB DATE MAY 61

DESCRIPTORS- *CURRICULUM DEVELOPMENT, *IN-SERVICE TEACHER EDUCATION, *MOBILE LABORATORIES, *SCIENCE INSTRUCTION, *TEACHER IMPROVEMENT, COLUMBUS, INSTRUCTIONAL AIDS, INSTRUCTIONAL MATERIALS, MATHEMATICS INSTRUCTION, OHIO.

ED 003 504
REPORT OF RESEARCH ON THE INTEGRATION OF SCIENCE TEACHING BY TELEVISION INTO THE ELEMENTARY SCHOOL PROGRAM.
GARRY, RALPH J. AND OTHERS
BOSTON UNIV., MASS., SCHOOL OF EDUCATION.
EDRS PRICE MF-$0.50 HC-$3.48 87P.
PUB DATE 31 OCT 60

DESCRIPTORS- *ACHIEVEMENT GAINS, *GRADE 5, *SCIENCE COURSES, *TELEVISED INSTRUCTION, ATTITUDES, BOSTON, EDUCATIONAL TELEVISION, INTERESTS, MASSACHUSETTS, NATURAL SCIENCES, PROGRAM EVALUATION, STUDENT ATTITUDES, STUDENT INTERESTS.

ED 003 515
DEVELOPMENT OF PROBLEM SOLVING ABILITYAND LEARNING OF RELEVANT-IRRELEVANT INFORMA-

TION THROUGH FILM AND TV VERSIONS OF A STRENGTH OF MATERIALS TESTING LABORATORY, FINAL REPORT.
HARRIS, CHARLES O. AND OTHERS
MICHIGAN ST. UNIV., EAST LANSING, COLL. OF EDUC.
EDRS PRICE MF-$0.25 HC-$1.56 39P.
PUB DATE 3 NOV 62

DESCRIPTORS- *COLLEGE INSTRUCTION, *ENGINEERING, *INSTRUCTIONAL FILMS, *INSTRUCTIONAL TELEVISION, *LABORATORY EXPERIMENTS, COGNITIVE ABILITY, COLLEGE STUDENTS, COMPARATIVE TESTING, EAST LANSING, LEARNING PROCESSES, MICHIGAN, PROBLEM SOLVING, TEACHING METHODS.

ED 003 536
AN INVESTIGATION OF THE IMPROVEMENT OF EDUCATIONAL MOTION PICTURES AND A DERIVATION OF PRINCIPLES RELATING TO THE EFFECTIVENESS OF THESE MEDIA.
VANDERMEER, A.W. AND OTHERS
PA. STATE UNIV., UNIVERSITY PARK.
EDRS PRICE MF-$0.50 HC-$3.80 95P.
PUB DATE APR 65

DESCRIPTORS- *COMPARATIVE ANALYSIS, *FILM PRODUCTION, *INSTRUCTIONAL FILMS, *MEDIA RESEARCH, *SCIENCE INSTRUCTION, ATOMS AND MOLECULES, PENNSYLVANIA, TEACHING TECHNIQUES, TEST CONSTRUCTION, UNIVERSITY PARK, WHY FOODS SPOIL.

ED 003 541
TESTING THE EFFECTIVENESS OF TWO-PURPOSE TELEVISION PROGRAMS IN CONTRIBUTING TO BOTH TEACHER AND PUPIL LEARNING (ELEMENTARY SCIENCE).
FRAZIER, ALEXANDER EVANS, LEWIS O.
OHIO STATE UNIVERSITY, COLUMBUS, RES. FOUNDATION.
EDRS PRICE MF-$0.50 HC-$3.40 85P.

DESCRIPTORS- *ELEMENTARY EDUCATION, *GENERAL SCIENCE, *PROGRAM EVALUATION, *TEACHER IMPROVEMENT, *TELEVISED INSTRUCTION, ACHIEVEMENT TESTS, COLUMBUS, EVALUATION, LEARNING, OHIO, SCIENCE EDUCATION, TELEVISION.

ED 003 542
EFFECTIVENESS OF INSTRUCTION BY TELEVISION IN TEACHING HIGH SCHOOL CHEMISTRY IN ALABAMA SCHOOLS.
BROWN, ROBERT D. TOFFEL, GEORGE M.
ALABAMA UNIVERSITY,
EDRS PRICE MF-$0.25 HC-$0.88 22P.
PUB DATE 60

DESCRIPTORS- *CHEMISTRY, *HIGH SCHOOL STUDENTS, *OPEN CIRCUIT TELEVISION, *SCIENCE INSTRUCTION, *TELEVISED INSTRUCTION, ACADEMIC PERFORMANCE, ALABAMA, INSTRUCTIONAL TELEVISION, PERFORMANCE FACTORS, SCIENCE EDUCATION, TELEVISION, CURRICULUM.

ED 003 549
THE EFFECTIVENESS OF FILMED SCIENCE COURSES IN PUBLIC SECONDARY SCHOOLS.
POPHAM, W. JAMES SADNAVITCH, JOSEPH M.
KANSAS STATE COLL. OF PITTSBURGH.
EDRS PRICE MF-$0.50 HC-$2.92 73P.
PUB DATE AUG 60

DESCRIPTORS- *CHEMISTRY, *HIGH SCHOOLS, *INSTRUCTIONAL FILMS, *PHYSICAL SCIENCES, *PHYSICS INSTRUCTION, ACADEMIC ACHIEVEMENT, ACHIEVEMENT TESTS, COURSE ORGANIZATION, INSTRUCTIONAL IMPROVEMENT, KANSAS, MEDIA RESEARCH, PITTSBURG, PROGRAM EVALUATION, SECONDARY EDUCATION.

ED 003 551
PREPARATION AND EVALUATION IN USE OF A SERIES OF BRIEF FILMS OF SELECTED DEMONSTRATIONS FROM THE INTRODUCTORY COLLEGE PHYSICS COURSE.
TENDAM, D.J. AND OTHERS
PURDUE RES. FOUNDATION, LAFAYETTE, IND.
EDRS PRICE MF-$0.25 HC-$2.00 50P.
PUB DATE 61

DESCRIPTORS- *ACHIEVEMENT, *COLLEGE STUDENTS, *PERFORMANCE, *PHYSICS, ACADEMIC PERFORMANCE, ACHIEVEMENT RATINGS, DEMONSTRATION PROGRAMS, INDIANA, INSTRUCTIONAL FILMS, LAFAYETTE, PHYSICS EXPERIMENTS, PHYSICS INSTRUCTION.

ED 003 560
THE EFFECT ON INSTRUCTION OF THE COMPLEMENTARY USE OF AUDIOVISUAL MEDIA WITH MODIFIED PATTERNS IN THE USE OF THE TEACHING STAFF.
FRITZ, JOHN O.
CHICAGO UNIV., GRAD, SCH. OF EDUC.
EDRS PRICE MF-$0.75 HC-$7.56 189P.
PUB DATE SEPT 63

DESCRIPTORS- *AUDIOVISUAL INSTRUCTION, *INSTRUCTIONAL INNOVATION, *MEDIA RESEARCH, *PHYSICS INSTRUCTION, CHICAGO, COMPARATIVE ANALYSIS, HIGH SCHOOLS, ILLINOIS, LEARNING PROCESSES, PHYSICAL SCIENCE STUDY COMMITTEE, TEACHING TECHNIQUES.

ED 003 565
THE RETENTION BY ELEMENTARY SCHOOL CHILDREN OF NATURAL SCIENCE MATERIAL TAUGHT BY TELEVISION.
AMIRIAN, GERARD T.
BOSTON UNIV., MASS.
EDRS PRICE MF-$0.25 HC-$1.48 37P.
PUB DATE 1 NOV 61

DESCRIPTORS- *ATTITUDES, *GRADE 5, *SCIENCES, *TEACHING PROGRAMS, *TELEVISION, BOSTON, MASSACHUSETTS, NATURAL SCIENCES, RETENTION.

ED 003 568
A COMPARATIVE STUDY IN THE TEACHING OF HIGH SCHOOL CHEMISTRY AND PHYSICS
BRYAN, EDWARD E.
OKLA. STATE DEPT. OF EDUC., OKLAHOMA CITY.
EDRS PRICE MF-$0.25 HC-$2.20 55P.
PUB DATE SEP 61
DESCRIPTORS- *CHEMISTRY, *COMPARATIVE ANALYSIS, *HIGH SCHOOL STUDENTS, *PHYSICS INSTRUCTION, *TELEVISED INSTRUCTION, OKLAHOMA, OKLAHOMA CITY, PROGRAM EVALUATION, TEACHING TECHNIQUES, TELEVISION RESEARCH.

ED 003 584
AN INVESTIGATION OF CONCEPT DEVELOPMENT IN ELEMENTARY SCHOOL SCIENCE TEACHING BY TELEVISION.
GARRY, RALPH AND OTHERS
BOSTON UNIV., MASS.
EDRS PRICE MF-$0.25 HC-$1.68 43P.
PUB DATE 1 DEC 63
DESCRIPTORS- *CONCEPT FORMATION, *PROBLEM SOLVING, *SCIENCE INSTRUCTION, *TELEVISED INSTRUCTION, *TELEVISION RESEARCH, BOSTON, GRADE 5, MASSACHUSETTS, NATURAL SCIENCES, PROGRAM EVALUATION, TEACHING TECHNIQUES, TELEVISION TEACHERS.

ED 003 595
THE EFFECT OF SELECTED SPATIAL DESIGN FACTORS IN EDUCATIONAL DISPLAYS ON LEARNING AND RETENTION.
SAUL, EZRA V. ROCKETT, AGNES M.
TUFTS UNIV., BEDFORD, MASS.
EDRS PRICE MF-$0.25 HC-$1.00 25P.
PUB DATE 1 JUN 64
DESCRIPTORS- *AUDIOVISUAL AIDS, *BIOLOGY INSTRUCTION, *CHARTS, *GRADE 10, *GRAPHIC ARTS, ABILITY IDENTIFICATION, INSTRUCTIONAL AIDS, LEARNING, MASSACHUSETTS, BEDFORD.

ED 003 598
THE USE OF MOTIVATIONAL FILMS TO FAVORABLY CHANGE THE ATTITUDES OF HIGH SCHOOL STUDENTS TOWARD SCIENCE AND SCIENTISTS.
WICKLINE, LEE E.
W. VA. STATE DEPT. OF EDUC., CHARLESTON.
EDRS PRICE MF-$0.25 HC-$1.48 37P.
PUB DATE JUL 62
DESCRIPTORS- *FILMS, *HIGH SCHOOL STUDENTS, *SCIENTIFIC ATTITUDES, *STUDENT ATTITUDES, *TESTING, ALLEN ATTITUDE SCALE, ATTITUDES, CHARLESTON, FACTS ABOUT SCIENCE TEST, HORIZONS OF SCIENTIFIC FILMS, SCIENTIFIC CONCEPTS, WEST VIRGINIA.

ED 003 629
THE DEVELOPMENT AND EVALUATION OF A PROGRAMING TECHNIQUE FOR RELATING FRAME DIFFICULTY TO THE ABILITY OF THE LEARNER. FINAL REPORT, PART II. APPENDICES
MOORE, J. WM. SMITH, WENDELL T.
BUCKNELL UNIV., LEWISBURG, PA.
EDRS PRICE MF-$0.50 HC$3.20 80P.
PUB DATE 65
DESCRIPTORS- *BIOLOGY, *CONCEPT TEACHING, *HEALTH EDUCATION, *PROGRAMED MATERIALS, *SET THEORY, LEWISBURG, PENNSYLVANIA, PROGRAM EVALUATION, PROGRAMED TEXTS.

ED 003 652
AN EVALUATION OF TELEVISION PROCEDURES DESIGNED TO STIMULATE EXTRACURRICULAR SCIENCE ACTIVITIES. STUDIES IN TELEVISED INSTRUCTION, REPORT 6.
GROPPER, GEO. L. AND OTHERS
METROPOLITAN PITTSBURGH EDUC. TV STATION PA.
EDRS PRICE MF-$0.50 HC$2.60 65P.
PUB DATE MAY 61
DESCRIPTORS- *COCURRICULAR ACTIVITIES, *INSTRUCTIONAL TELEVISION, *PROGRAMED INSTRUCTION, *SCIENCE ACTIVITIES, *TELEVISED INSTRUCTION, DEMONSTRATIONS (EDUCATIONAL), EDUCATIONAL TELEVISION, EXPERIMENTS, JUNIOR HIGH SCHOOL, PENNSYLVANIA, PITTSBURGH, SCIENCE EXPERIMENTS, STIMULUS BEHAVIOR, STIMULUS DEVICES, STUDENT EXPERIENCES, STUDENT PARTICIPATION, STUDENT REACTION.

ED 003 655
SELF-INSTRUCTIONAL SUPPLEMENTS FOR A TELEVISED PHYSICS COURSE, STUDY PLAN AND EXPERIMENTAL DESIGN.
KLAUS, DAVID J. LUMSDAINE, ARTHUR A.
AMERICAN INST. FOR RESEARCH IN BEHAVIORAL SCIENCES.
EDRS PRICE MF-$0.25 HC-$1.76 44P.
PUB DATE DEC 59
DESCRIPTORS- *AUTOINSTRUCTIONAL AIDS, *GROUP INSTRUCTION, *PHYSICS INSTRUCTION, *PROGRAMING, *TELEVISED INSTRUCTION, COMPARATIVE ANALYSIS, HIGH SCHOOLS, PENNSYLVANIA, PITTSBURGH, RESEARCH METHODOLOGY, SUPPLEMENTARY EDUCATION, TEACHING TECHNIQUES.

ED 003 656
AN EXPERIMENTAL FIELD TEST OF THE VALUE OF SELF-TUTORING MATERIALS IN HIGH SCHOOL PHYSICS. INTERIM REPORT.
KLAUS, DAVID J. LUMSDAINE, ARTHUR A.
AMERICAN INST. FOR RESEARCH IN BEHAVIORAL SCIENCES.
EDRS PRICE MF-$0.25 HC-$0.88 22P.
PUB DATE APR 60
DESCRIPTORS- *ACHIEVEMENT GAINS, *AUTOINSTRUCTIONAL AIDS, *MATERIAL DEVELOPMENT, *PHYSICS INSTRUCTION, *TELEVISED INSTRUCTION, ACADEMIC ACHIEVEMENT, COMPARATIVE ANALYSIS, HIGH SCHOOL STUDENTS, PENNSYLVANIA, PITTSBURGH, PROGRAMING, SUPPLEMENTARY EDUCATION, TEACHING TECHNIQUES.

ED 003 657
INTRODUCTION AND STATIC ELECTRICITY, VOLUME I.
KLAUS, DAVID J. AND OTHERS
AMERICAN INST. FOR RESEARCH IN BEHAVIORAL SCIENCES.

EDRS PRICE MF-$2.50 HC-$23.08 577P.
PUB DATE 60
DESCRIPTORS- *AUTOINSTRUCTIONAL AIDS, *MATERIAL DEVELOPMENT, *PHYSICS INSTRUCTION, *PROGRAMED MATERIALS, *TEXTBOOK PREPARATION, EXPERIMENTAL PROGRAMS, PENNSYLVANIA, PITTSBURGH, PROGRAMED INSTRUCTION.

ED 003 658
ATOMIC PHYSICS, AN AUTOINSTRUCTIONAL PROGRAM, VOLUME I. SUPPLEMENT.
KLAUS, DAVID J. DETERLINE, WM. A.
AMERICAN INST. FOR RESEARCH IN BEHAVIORAL SCIENCES.
EDRS PRICE MF-$1.00 HC-$8.16 204P.
PUB DATE 61
DESCRIPTORS- *ATOMIC THEORY, *AUTOINSTRUCTIONAL AIDS, *MATERIAL DEVELOPMENT, *NUCLEAR PHYSICS, *PHYSICS INSTRUCTION, EXPERIMENTAL PROGRAMS, PENNSYLVANIA, PITTSBURGH, TEXTBOOK PREPARATION.

ED 003 659
REFLECTION AND REFRACTION, VOLUME 2
KLAUS, DAVID J. AND OTHERS
AMERICAN INST. FOR RESEARCH IN BEHAVIORAL SCIENCES.
EDRS PRICE MF-$3.00 HC-$28.56 714P.
PUB DATE 60
DESCRIPTORS- *AUTOINSTRUCTIONAL AIDS, *MATERIAL DEVELOPMENT, *PHYSICS, INSTRUCTION, *PROGRAMED MATERIALS, *TEXTBOOK PREPARATION, EXPERIMENTAL PROGRAMS, PENNSYLVANIA, PITTSBURGH, PROGRAMED INSTRUCTION.

ED 003 700
EFFECTS OF INQUIRY TRAINING IN PHYSICAL SCIENCE ON CREATIVITY AND COGNITIVE STYLES OF ELEMENTARY SCHOOL CHILDREN.
SCOTT, NORVAL C., JR. SIGEL, I.E.
MERRILL PALMER INST.
DETROIT, MICHIGAN
EDRS PRICE MF-$0.75 HC-$5.44 136P.
PUB DATE 65
DESCRIPTORS- *COGNITIVE DEVELOPMENT, *CONCEPT TEACHING, *CREATIVE THINKING, *DISCOVERY PROCESSES, *SCIENCE INSTRUCTION, ACADEMIC ACHIEVEMENT, ACHIEVEMENT GAINS, CURRICULUM ENRICHMENT, DETROIT, ELEMENTARY SCHOOL STUDENTS, LEARNING PROCESSES, MICHIGAN, PHYSICAL SCIENCES, SEX DIFFERENCES, TEACHING METHODS, THOUGHT PROCESSES.

ED 003 704
RECOGNITION AND INTERPRETATION OF PICTORIAL STIMULI FOUND WITHIN EDUCATIONAL STILL PICTURES.
BERGESON, CLARENCE O.
PA. STATE UNIV., UNIVERSITY PARK.
EDRS PRICE MF-$0.50 HC-$3.40 85P.
PUB JUN 65
DESCRIPTORS- *ILLUSTRATIONS, *PHOTOGRAPHS, *SCIENTIFIC CONCEPTS, *VISUAL DISCRIMINATION, *VISUAL STIMULI, AUDIOVISUAL AIDS, ELEMENTARY SCHOOL STUDENTS, GRADE 11, GRADE 8, PENNSYLVANIA, UNIVERSITY PARK, VISUAL PERCEPTION.

ED 003 788
CUE (CULTURE, UNDERSTANDING, ENRICHMENT)—SCIENCE.
BROWN, ROBT. M. AND OTHERS
N.Y. STATE EDUC. DEPT., ALBANY.
EDRS PRICE MF-$1.00 HC-$8.28 20P.
PUB DATE 64
DESCRIPTORS- *AUDIOVISUAL AIDS, *ENRICHMENT PROGRAMS, *GUIDES, *SCIENCE INSTRUCTION, *TEACHING GUIDES, ALBANY, CULTURAL AWARENESS, CULTURAL ENRICHMENT, CURRICULUM ENRICHMENT, EDUCATIONAL PROGRAMS, GRADE 9, INSTRUCTIONAL AIDS, INSTRUCTIONAL IMPROVEMENT, NEW YORK PROJECT CUE, SCIENCE CURRICULUM, SCIENCE PROGRAMS, SECONDARY EDUCATION.

ED 003 826
A PROJECT TO STUDY THE NATURE OF EFFECTIVE PHYSICS TEACHING.
SNIDER, RAY M.
CORNELL UNIV., ITHACA, N.Y.
EDRS PRICE MF-$1.50 HC-$13.64 341P
PUB DATE 65
DESCRIPTORS- *ACADEMIC ACHIEVEMENT, *CLASSROOM RESEARCH, *EFFECTIVE TEACHING, *PHYSICS INSTRUCTION, *STUDENT TEACHER RELATIONSHIP, FLANDERS METHOD, HIGH SCHOOLS, ITHACA, NEW YORK, PHYSICS, PHYSICS CURRICULUM, VERBAL COMMUNICATION.

ED 003 849
DEVELOPMENT OF INSTRUCTIONAL MATERIALS FOR A PROCESS-ORIENTED CURRICULUM IN SCIENCE FOR GRADES K-6.
BUTTS, DAVID P.
TEXAS UNIV., AUSTIN, SCIENCE EDUCATION CENTER.
EDRS PRICE MF-$0.25 HC$0.72 18P.
PUB DATE 64
DESCRIPTORS- *ELEMENTARY SCHOOL TEACHERS, *ELEMENTARY SCIENCE, *INSERVICE TEACHER EDUCATION, *MATERIAL DEVELOPMENT, *SCIENCE INSTRUCTION, AUSTIN, CONSULTANTS, CURRICULUM DEVELOPMENT, INSTRUCTIONAL MATERIALS, TEXAS.

ED 003 900
SPANISH-BIOLOGY, FINAL REPORT.
DORAN, THOMAS A.
FOLSOM UNIFIED SCHOOL DISTRICT, CALIF.
EDRS PRICE MF-$0.25 HC-$1.28 32P.
PUB DATE 1 JAN 65
DESCRIPTORS- *ACHIEVEMENT GAINS, *BIOLOGY. MATERIAL DEVELOPMENT, *SPANISH, *TEACHING TECHNIQUES, CALIFORNIA, CLASSROOM INTEGRATION, COURSE ORGANIZATION, FOLSOM DISTRICT.

# SCIENCE EDUCATION REPORTS
## *IN*
## *PACESETTERS IN INNOVATION, FISCAL YEAR 1966*

ES 000 032
SARASOTA COUNTY EDUCATIONAL ENRICHMENT CENTERS. FLA., SARASOTA, COUNTY BOARD OF PUBLIC INSTRUCTION.
EDRS PRICE MF-$0.25 HC-$2.08 52P.

DESCRIPTORS- *DROPOUTS, *GRADES 1-6, *GRADES 7-12, *LOW INCOME GROUPS, *MOBILE LABORATORIES, *NATURAL RESOURCES, *SCIENCES, ADULT EDUCATION HOME ECONOMICS, LEARNING DIFFICULTIES, OCEANOLOGY, PHYSICAL EDUCATION, SCIENCE LABORATORIES STUDENT TEACHERS.

ES 000 043
PROGRAM OF OUTDOOR EDUCATION. IDAHO, COEUR D'ALENE, SCHOOL DISTRICT 271.
EDRS PRICE MF-$9.25 HC-$0.56 14P.

DESCRIPTORS- *COUNSELING, *CULTURAL EDUCATION, *GRADE 7, *GRADES 7-12, *HEALTH PROGRAM, *OUTDOOR PROGRAMS, *RECREATIONAL ACTIVITIES, SUMMER PROGRAMS, DISADVANTAGED YOUTH, HANDICAPPED CHILDREN, NATURAL RESOURCES, RURAL AREAS, SCIENCES, SOCIAL EXPERIENCES.

ES 000 044
SANDUSKY AREA SUPPLEMENTARY EDUCATION CENTER. OHIO, SANDUSKY, CITY SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.88 47P.

DESCRIPTORS- *CULTURAL CENTERS, *GRADES 7-12, *INSTRUCTIONAL MATERIALS CENTERS, *LIBRARY FACILITIES, *PLANETARIUMS, *SPACE SCIENCES, ART, ASTRONOMY, AUDIOVISUAL AIDS, DRAMATICS, INDEPENDENT STUDY, MUSIC.

ES 000 047
TRAINING CENTER IN EXEMPLARY INSTRUCTIONAL SYSTEMS. TEX., HOUSTON, SPRING BRANCH IND. SCH. DIST.
EDRS PRICE MF-$0.25 HC-$1.28 32P.

DESCRIPTORS- *AUDIOVISUAL AIDS, *INSERVICE TEACHER EDUCATION, *PHOTOGRAPHY, *PROGRAMING, INSTRUCTIONAL TECHNOLOGY, SKILL DEVELOPMENT, WORKSHOPS.

ES 000 053
REGIONAL OUTDOOR EDUCATION PROGRAM. OREG., PORTLAND, MULTNOMAH COUNTY INT. ED. DISTRICT
EDRS PRICE MF-$0.25 HC-$1.32 33P.

DESCRIPTORS- *CONSERVATION, *GRADE 6, *GRADES 1-6, *NATURAL RESOURCES, *OUTDOOR PROGRAMS, CAMPING.

ES 000 054
PROJECT PROMETHEUS. OREG., MEDFORD, JACKSON COUNTY INT. ED. DIST.
EDRS PRICE MF-$0.25 HC-$1.52 38P.

DESCRIPTORS- *ABLE STUDENTS, *BIOLOGICAL SCIENCES, *CULTURAL ENRICHMENT, *GRADES 7-12, *HUMANITIES, *SOCIAL SCIENCES, *SUMMER SCHOOLS.

ES 000 056
PILOT SUPPLEMENTARY ELEMENTARY SCIENCE INTERPRETIVE PROGRAM. N.J., MIDDLETOWN, BD. OF ED. OF TOWNSHIP SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.48 37P.

DESCRIPTORS- *COMMUNITY INVOLVEMENT, *GRADE 4, *GRADES 1-6, *NATURAL SCIENCES, *OCEANOLOGY, *OUTDOOR PROGRAMS, GEOLOGY, INSERVICE TEACHER EDUCATION.

ES 000 057
SUPPLEMENTARY EDUCATIONAL CENTER. OHIO, CLEVELAND, BOARD OF EDUCATION
EDRS PRICE MF-$0.50 HC-$2.88 72P.

DESCRIPTORS- *FINE ARTS, *GRADES 1-6, *GRADES 7-12, *LANGUAGE ARTS, *MATHEMATICS, *SCIENCES, *SOCIAL SCIENCES, CITIZENSHIP, EDUCATIONAL TELEVISION, GOVERNMENT, READING, REMEDIAL INSTRUCTION, URBAN AREAS.

ES 000 060
UPPER SUSQUEHANNA REGIONAL SUPPLEMENTARY EDUCATIONAL SERVICE. N.Y., BINGHAMTON, BROOME COUNTY BD/COOP EDUCATIONAL SERVICES
EDRS PRICE MF-$0.25 HC-$1.96 49P.

DESCRIPTORS- *EDUCATIONAL TELEVISION, *EXHIBITS, *FINE ARTS, *HISTORY, *PLANETARIUMS, *SCIENCES, *WORLD AFFAIRS, INSERVICE TEACHER EDUCATION, TEACHER SEMINARS, VOCATIONAL EDUCATION, WORKSHOPS.

ES 000 063
HIGH ROCK NATURE CONSERVATION CENTER. N.Y., BROOKLYN, BD. OF EDUC., CITY OF NEW YORK
EDRS PRICE MF-$0.25 HC-$1.00 25P.

DESCRIPTORS- *CONSERVATION, ECOLOGY, *GRADES 1-6, *NATURAL RESOURCES, *OUTDOOR PROGRAMS, *YEAR ROUND PROGRAMS, NATURAL SCIENCES.

ES 000 070
SUMMER INSTITUTE IN FIELD ECOLOGY AND FIELD GEOLOGY FOR HIGH SCHOOL STUDENTS. MONT., DEER LODGE, POWELL COUNTY HIGH SCHOOL
EDRS PRICE MF-$0.25 HC-$1.24 31P.

DESCRIPTORS- *CHEMISTRY, *GRADES 7-12, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, *SUMMER PROGRAMS, BIOLOGY, CHEMISTRY. CURRICULUM ENRICHMENT, GEOLOGY, HIGH SCHOOL STUDENTS, MOTIVATION TECHNIQUES, PHYSICAL SCIENCES, TEAM TEACHING.

ES 000 090
PLANNING FOR A PROGRAM OF EXEMPLARY EDUCATIONAL SERVICES FOR THE AMHERST SCHOOL DISTRICT. N.Y., BUFFALO, AMHERST CENTRAL H.S. DISTRICT 1
EDRS PRICE MF-$0.25 HC-$1.16 29P.

DESCRIPTORS- *FAMILY PROGRAMS, *GRADES 1-6, *GRADES 7-12, *READING PROGRAMS, *SCIENCE LABORATORIES, SPECIALISTS.

ES 000 116
3-D SCHOOL. N.J., BORDENTOWN, TOWNSHIP BD. OF EDUCATION
EDRS PRICE MF-$0.25 HC-$1.04 26P.

DESCRIPTORS- *GRADE 7, *GRADE 8, *GRADES, 7-12, *NATURAL SCIENCES, *OUTDOOR PROGRAMS BIOLOGICAL SCIENCES, CAMPING, CULTURAL ENRICHMENT, ECOLOGY.

ES 000 118
CENTER OF SCIENCE AND INDUSTRY. OHIO, CINCINNATI, BD. OF EDUC., CITY SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.04 26P.

DESCRIPTORS- *ENRICHMENT PROGRAMS, *GRADES 1-6, *GRADES 7-12, *PHYSICAL SCIENCES, *SCIENCE CENTERS, ADVANCED PROGRAMS, COMMUNITY INVOLVEMENT, HOBBIES, INSERVICE TEACHER EDUCATION, MOBILE LABORATORIES, RECREATIONAL ACTIVITIES.

ES 000 126
PLANNING GRANT APPLICATION FOR SUPPLEMENTARY EDUCATIONAL CENTER. CALIF., SAN DIEGO, DEPT. OF ED. SAN DIEGO COUNTY.
EDRS PRICE MF-$0.25 HC-$1.28 32P.

DESCRIPTORS- *COMMUNITY RESOURCES, *ENGLISH AS A SECOND LANGUAGE, *GRADES 1-6, *GRADES 7-12, *SAFETY PROGRAMS, *SCIENCE PROGRAMS, MEXICAN AMERICAN, SPECIALISTS.

ES 000 132
ARTS AND SCIENCE CENTER. WASH., SEATTLE, SCHOOL DISTRICT I
EDRS PRICE MF-$0.50 HC-$3.92 98P.

DESCRIPTORS- *ARTS CENTERS, *GRADES 1-6, *GRADES 7-12, *HUMANITIES, *SCIENCES, COMMUNITY RESOURCES, CULTURAL EDUCATION, INSERVICE TEACHER EDUCATION, TALENT UTILIZATION.

ES 000 136
HARRIS COUNTY CENTER FOR INSTRUCTIONAL IMPROVEMENT. TEX., HOUSTON, HARRIS COUNTY DEPT. OF ED.
EDRS PRICE MF-$0.25 HC-$1.16 29P.

DESCRIPTORS- *COMMUNITY RESOURCES, *DEMONSTRATION CENTERS, *EXCEPTIONAL CHILDREN, *GRADES 1-6, *GRADES 7-12, *INSERVICE TEACHER EDUCATION, *INSTRUCTIONAL MATERIALS CENTERS, *OUTDOOR PROGRAMS, *TESTING PROGRAMS, INSTRUCTIONAL AIDS, PROGRAMED INSTRUCTION, TEACHER ORIENTATION, TEAM TEACHING, TELEVISED INSTRUCTION.

ES 000 142
FLORENCE AREA EDUCATIONAL SERVICES CENTER. S.C., FLORENCE, SCHOOL DISTRICT 1
EDRS PRICE MF-$0.25 HC-$0.76 19P.

DESCRIPTORS- *AUDIOVISUAL AIDS, *CULTURAL PROGRAMS, *INSERVICE TEACHER EDUCATION, *PSYCHOLOGICAL SERVICES, *SCIENCE PROGRAMS, ADULT EDUCATION, ADVANCED PROGRAMS, COUNSELING, DISADVANTAGED YOUTH, EDUCATIONAL TELEVISION, GIFTED, MATHEMATICS, PRESCHOOL EDUCATION, REMEDIAL INSTRUCTION, RETARDED CHILDREN.

ES 000 161
NASSAU COUNTY PLANNING PROPOSAL. N.Y., JERICHO, U.F.S. DISTRICT 15
EDRS PRICE MF-$0.25 HC-$1.44 36P.

DESCRIPTORS- *COMPUTER ORIENTED PROGRAMS, *COUNSELING, *CULTURAL ENRICHMENT, *CURRICULUM DEVELOPMENT, *GRADES 1-6, *GRADES 7-12, INSERVICE TEACHER EDUCATION, *LIBRARY SERVICES, *SCIENCE PROGRAMS, TEACHING METHODS.

ES 000 163
TEXAS GULF COAST SCIENCE EDUCATIONAL RESOURCES CENTER. TEX., HOUSTON, INDEPENDENT SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$0.80 20P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *SCIENCE CENTERS, COMPUTER ORIENTED PROGRAMS, EXHIBITS, FIELD TRIPS, INSERVICE TEACHER EDUCATION, LIBRARY SERVICES, MUSEUMS, RADIO, SCIENCE LABORATORIES, SPACE SCIENCES, SPECIALISTS, TELEVISION.

ES 000 168
APPROACH TO INTER-SUBURBAN PLANNING FOR HUMANIZING EMERGING CURRICULUM CONCEPTS AND EDUCATIONAL SERVICES. VA., ARLINGTON, ARLINGTON COUNTY PUBLIC SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.44 36P.

DESCRIPTORS- *AUDIOVISUAL AIDS, *FINE ARTS, *GRADES 1-6, *GRADES 7-12, * HANDICAPPED CHILDREN, *KINDERGARTEN, *LANGUAGE LABORATORIES, *SCIENCE CENTERS, *YEAR ROUND PROGRAMS, INSERVICE TEACHER EDUCATION, PLANETARIUMS, SCIENCE LABORATORIES.

ES 000 169
PLANNING GRANT TO SET UP A PLANNING COMMITTEE TO EXPLORE THE POSSIBILITIES OF A CURRICULUM/CULTURAL RESEARCH CENTER. MD., CUMBERLAND, ALLEGHENY, COUNTY BOARD OF EDUCATION.
EDRS PRICE MF-$0.25 HC-$0.68 17P.

DESCRIPTORS- *AUDIOVISUAL CENTERS, CULTURAL CENTERS, *CURRICULUM, *GRADES 1-6, *GRADES 7-12, *KINDERGARTEN, *LIBRARIES, *SCIENCE CENTERS, INSERVICE TEACHER EDUCATION.

ES 000 172
REGIONAL ACADEMIC MARINE PROGRAM. MAINE, KITTERY, JOINT COMM. R.W. TRAIP ACADEMY
EDRS PRICE MF-$0.25 HC-$0.72 19P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *OCEANOLOGY, *SCIENCE CENTERS, ADVANCED PROGRAMS, MOBILE LABORATORIES, TEACHER WORKSHOPS.

ES 000 175
SUPPLEMENTARY EDUCATIONAL FACILITIES. MASS., MEDFORD, PUBLIC SCHOOLS
EDRS PRICE MF-$0.25 HC-$0.96 24P.

DESCRIPTORS- *ARTS CENTERS, *GRADES 1-6, *LABORATORIES, *SCIENCE CENTERS, AUDIOVISUAL MATERIALS, CULTURAL ENRICHMENT, PARENT PARTICIPATION.

ES 000 176
REQUEST FOR A PLANNING GRANT TO DETERMINE THE EDUCATIONAL AND CULTURAL NEEDS OF THE CHILDREN AND ADULTS OF THE BALTIMORE COUNTY REGION AND TO DESIGN A PROGRAM AND APPROPRIATE FACILITIES TO MEET THESE NEEDS. MD., TOWSON, BD. OF ED., BALTIMORE COUNTY
EDRS PRICE MF-$0.50 HC-$3.00 75P.

DESCRIPTORS- *CONCERTS, *GRADES 1-6, *GRADES 7-12, *GUIDANCE COUNSELORS, *PROBLEM CHILDREN, *SCIENCE PROGRAMS, *THEATER ARTS, BEHAVIOR PROBLEMS, EXPERIMENTS, INSERVICE TEACHER EDUCATION, LEARNING PROBLEMS.

ES 000 180
INTERDISCIPLINARY OUTDOOR EDUCATION PROGRAM. WASH., SEATTLE, SHORELINE SCHOOL DISTRICT 412
EDRS PRICE MF-$0.25 HC-$0.60 15P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *NATURAL RESOURCES, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, CURRICULUM PLANNING.

ES 000 189
MID-HUDSON REGIONAL SUPPLEMENTARY EDUCATIONAL CENTER'S — (PINE) PROJECTS IN IMAGINATIVE NATURE EDUCATION. N.Y., NEW PALTZ, ULSTER COUNTY BD. COOP. ED. SVCS.
EDRS PRICE MF-$0.25 HC-$1.76 44P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *NATURAL RESOURCES, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, *PRESCHOOL CHILDREN, CONSERVATION.

ES 000 190
MID-HUDSON REGIONAL SUPPLEMENTARY EDUCATIONAL CENTER'S—(PEC) PROJECT EXEMPLARY CONSORTIA OF NATURAL SCIENCE, HISTORICAL MUSEUMS, AND SCHOOLS. N.Y., NEW PALTZ, ULSTER COUNTY BD. COOP. ED. SVCS.
EDRS PRICE MF-$0.25 HC-$0.96 24P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *MUSEUMS, *SCIENCES, *SOCIAL STUDIES, HISTORY, INSERVICE TEACHER EDUCATION, TALENTED STUDENTS.

ES 000 192
PLANNING PROJECT FOR A PILOT STUDY IN CONSERVATION EDUCATION. MONT., GREAT FALLS, SCHOOL DISTRICT 1.
EDRS PRICE MF-$0.25 HC-$0.76 19P.

DESCRIPTORS- *CONSERVATION, *GRADES 1-6, *GRADES 7-12, *OUTDOOR PROGRAMS, CAMPING, CONSULTANTS, EDUCATIONAL TELEVISION, INSERVICE TEACHER EDUCATION, MOBILE UNITS, NATURAL SCIENCES, RURAL AREAS.

ES 000 193
OUTDOOR EDUCATION—CONSERVATION AND RURAL LIFE REGIONAL CENTER. MICH, CHARLOTTE, EATON COUNTY INT BD. OF EDUC.
EDRS PRICE MF-$0.25 HC-$1.00 25P.

DESCRIPTORS- *CONSERVATION, *GRADES 1-6, *GRADES 7-12, KINDERGARTEN, *OUTDOOR PROGRAMS, HANDICAPPED CHILDREN, INSERVICE TEACHER EDUCATION, NATURAL RESOURCES, NATURAL SCIENCES, PRESERVICE EDUCATION.

ES 000 194
ELEMENTARY SCIENCE CENTER. MASS., NEEDHAM, PUBLIC SCHOOLS
EDRS PRICE MF-$0.25 HC-$0.60 15P.

DESCRIPTORS- *AFTER SCHOOL PROGRAMS, *ELEMENTARY SCIENCE, *GRADES 1-6, *INSERVICE TEACHER EDUCATION, *KINDERGARTEN, *SCIENCE CENTERS, *TALENTED STUDENTS, DEMONSTRATION PROGRAMS, ELECTRONIC EQUIPMENT, PARENT PARTICIPATION, RESOURCE CENTERS, WORKSHOPS.

ES 000 199
PLANNING PROJECT UNDER TITLE III, P.L. 89-10. CALIF., SAN FRANCISCO, UNIFIED SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.64 41P.

DESCRIPTORS- *CULTURAL ENRICHMENT, *GRADES 1-6, *GRADES 7-12, *KINDERGARTEN, *SCIENCE PROGRAMS, *SOCIAL STUDIES, COMMUNITY RESOURCES, INSERVICE TEACHER EDUCATION.

ES 000 203
UTILIZATION OF COMPUTER ASSISTED INSTRUCTION TO IMPROVE STUDENT ACHIEVEMENT AND FACULTY INSTRUCTION IN SECONDARY SCHOOL MATHEMATICS AND SCIENCE. PA., ALTOONA, CITY SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.24 31P.

DESCRIPTORS- *COMPUTER ORIENTED PROGRAMS, *GRADES 7-12, *HIGH SCHOOLS, *MATHEMATICS, *SCIENCES, INSERVICE TEACHER EDUCATION, PROGRAMED INSTRUCTION.

ES 000 211
SCIENCE CENTER. PA., ABINGTON, TOWNSHIP SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$0.68 17P.

DESCRIPTORS- *CONSERVATION, *NATURAL SCIENCES, *SCIENCE CENTERS.

ES 000 223
APPLICATION FOR A PLANNING GRANT. TENN., OAK RIDGE, BOARD OF EDUCATION
EDRS PRICE MF-$0.25 HC-$1.12 28P.

DESCRIPTORS- *SCIENCE CENTERS, CURRICULUM PLANNING, ECOLOGY, EDUCATIONALLY DISADVANTAGED, INSERVICE TEACHER EDUCATION, INSTRUCTIONAL MATERIALS CENTERS, LABORATORIES.

ES 000 227
SUPPLEMENTARY EDUCATIONAL CENTER. N.C., SALISBURY, CITY BOARD OF EDUCATION
EDRS PRICE MF-$0.25 HC-$0.76 19P.

DESCRIPTORS- *AMERICAN HISTORY, *FINE ARTS, *GRADES 1-6, *GRADES 7-12, *NATURAL SCIENCES, *PLANETARIUMS, ASTRONOMY, COLLEGES, EXHIBITS. INDEPENDENT STUDY, SPECIALISTS, WORKSHOPS, ZOOS.

ES 000 228
CLASSROOM OF TODAY'S WORLD. N.J., OLD BRIDGE, MADISON TOWNSHIP PUBLIC SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.44 36P.

DESCRIPTORS- *FINE ARTS, *GRADES 1-6, *GRADES 7-12, *MOBILE LABORATORIES, *SCIENCES, *SOCIAL STUDIES, COMMUNITY STUDIES, CONTROL GROUPS, FIELD TRIPS.

ES 000 229
LINCOLN TITLE III PROJECT DESIGNED TO DEVELOP AND ENRICH ELEMENTARY CURRICULUM IN THE AREA OF AEROSPACE. NEBR., LINCOLN, CITY SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.24 31P.

DESCRIPTORS- *CORE CURRICULUM, *CURRICULUM PLANNING, *GRADES 1-6, *INSTRUCTIONAL MATERIALS CENTERS, *SPACE SCIENCES, SCHOOL LIBRARIES, SUMMER WORKSHOPS.

ES 000 239
PROPOSAL FOR THE USE OF A MOBILE LABORATORY TO ENRICH AND EXPAND THE SCIENCE PROGRAM IN THE SCHOOLS OF DISTRICT 241. FREEBORN COUNTY. MINN., ALBERT LEA, INDEP. SCHOOL DISTRICT 241
EDRS PRICE MF-$0.25 HC-$1.80 45P.

DESCRIPTORS- *GEOLOGY, *GRADES 1-6, *GRADES 7-12, *KINDERGARTEN, *MOBILE LABORATORIES, *YEAR ROUND PROGRAMS, INSERVICE TEACHER EDUCATION, TALENTED STUDENTS, TEAM TEACHING.

ES 000 246
RESOURCE-USE OUTDOOR EDUCATION CENTER. FLA., PERRY, TAYLOR COUNTY BD. OF PUBLIC INSTRUCTION
EDRS PRICE MF-$0.25 HC-$0.92 23P.

DESCRIPTORS- *CONSERVATION, *NATURAL RESOURCES, *RESOURCE CENTERS, *YEAR ROUND PROGRAMS, CAMPING, INSERVICE TEACHER EDUCATION, NATURAL SCIENCES.

ES 000 279
OUTDOOR EDUCATIONAL CENTER. N. MEX., ALBUQUERQUE, PUBLIC SCHOOLS
EDRS PRICE MF-$0.25 HC-$0.64 16P.

DESCRIPTORS- *CAMPING, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, ART, BOTANY, CONSERVATION, HEALTH PROGRAMS, MATHEMATICS, PARENT PARTICIPATION, SAFETY, ZOOLOGY.

ES 000 282
SAN ANGELO AREA ASTRO-SCIENCE CENTER. TEX., SAN ANGELO, INDEPENDENT SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$0.80 20P.

DESCRIPTORS- *ASTRONOMY, *GRADES 7-12, *SPACE SCIENCES, *ACCELERATED PROGRAMS, AUDIO-VISUAL AIDS, COLLEGES, INDIVIDUAL INSTRUCTION, INSERVICE TEACHER EDUCATION, MUSEUMS, PLANETARIUMS, SCIENCE CENTERS, SCIENCE LABORATORIES, SPECIALISTS, STUDENT RESEARCH.

ES 000 284
SCIENCE LABORATORY-PLANETARIUM. WYO., CASPER, NATRONA COUNTY HIGH SCH. DISTRICT
EDRS PRICE MF-$0.25 HC-$0.92 23P.

DESCRIPTORS- *ASTRONOMY, *GRADES 1-6, *GRADES 7-12, *PLANETARIUMS, *SCIENCE LABORATORIES, *YEAR ROUND PROGRAMS, COMMUNITY INVOLVEMENT, DEMONSTRATION CENTERS, INSERVICE TEACHER EDUCATION, LECTURE.

ES 000 291
CENTER FOR ACADEMIC EXCELLENCE. MINN., MINNEAPOLIS, PUB. SCH. SPECIAL SCH. DIST. 1
EDRS PRICE MF-$0.25 HC-$0.56 14P.

DESCRIPTORS- *GIFTED, *GRADES 7-12, *LANGUAGES, *MATHEMATICS, *SCIENCES, ABILITY IDENTIFICATION, CLASS SIZE, CURRICULUM DEVELOPMENT, FLEXIBLE SCHEDULING, INDIVIDUAL INSTRUCTION, NONGRADED CLASSES, PROGRAMED INSTRUCTION, TEACHER SELECTION, TEAM TEACHING.

ES 000 303
PROJECT LIGHTHOUSE. MASS., SCITUATE, SCHOOL DEPARTMENT
EDRS PRICE MF-$0.25 HC-$0.76 19P.

DESCRIPTORS- *CULTURAL BACKGROUND, *GRADES 1-6, *GRADES 7-12, *HANDICAPPED, *HISTORY, *OCEANOLOGY, *OUTDOOR PROGRAMS, AUDIO-VISUAL AIDS, CURRICULUM DEVELOPMENT, DRAMATICS, INSERVICE TEACHER EDUCATION, NATURAL RESOURCES, PILOT PROJECTS, SCIENCE LABORATORIES.

ES 000 307
NORTHWEST EDUCATIONAL COMPLEMENTAL CENTER. MO., HAZELWOOD, PATTONVILLE R-3 SCH. DIST.
EDRS PRICE MF-$0.25 HC$1.32 33P.

DESCRIPTORS- *CULTURAL PROGRAMS, *GUIDANCE SERVICES, *PLANETARIUMS, *READING CLINICS, *RECREATIONAL PROGRAMS, *RESOURCE CENTERS, *SPACE SCIENCES, REMEDIAL READING CLINICS.

ES 000 317
NEWTOWN OUTDOOR EDUCATION PROJECT. N.J., NEWTOWN, BOARD OF EDUCATION
EDRS PRICE MF-$0.50 HC-$0.44 61P.

DESCRIPTORS- *CAMPING, *CONSERVATION, *FIELD TRIPS, *GRADES 1-6, *GRADES 7-12, *INSERVICE TEACHER EDUCATION, *OUTDOOR PROGRAMS, *RECREATIONAL PROGRAMS, *YEAR ROUND PROGRAMS, ADULT EDUCATION, CULTURAL EXCHANGE, DEMONSTRATION CENTERS, NATURAL RESOURCES, PRESCHOOL CHILDREN, SCIENCES, VOCATIONAL EDUCATION.

ES 000 326
STUDY TOWARD EXEMPLARY PROGRAM. N.H. SALEM, CITY SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.12 25P.

DESCRIPTORS- *AUDIOVISUAL AIDS, *CURRICULUM DEVELOPMENT, *GRADES 1-6, *GRADES 7-12, *MATHEMATICS, *SOCIAL STUDIES, ADULT EDUCATION, CHILDREN, COMMUNITY STUDY, WORKSHOPS.

ES 000 329
CULTURAL DEVELOPMENT FOR PRESCHOOL CHILDREN, STUDENTS, AND ADULTS BY INSTRUCTIONAL TELEVISION. MISS., TUPELO, MUNICIPAL SEPARATE SCHOOL DIST.
EDRS PRICE MF-$0.25 HC-$1.08 27P.

DESCRIPTORS, *ELEMENTARY SCIENCE, *FINE ARTS, *GRADES 1-6, *INSTRUCTIONAL TELEVISION, *LITERATURE PROGRAMS, *PRESCHOOL CHILDREN, ADULT EDUCATION, CULTURAL ENRICHMENT, LECTURE.

ES 000 340
CONSERVATION, RECREATION AND OUTDOOR SCIENCE SCHOOL (PROJECT CROSS). CALIF., SAN ANDREAS, COUNTY SUPT. OF SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.24 31P.

DESCRIPTORS- *GRADE 11, *GRADE 12, *GRADES 7-12, *OUTDOOR PROGRAMS, *WORK EXPERIENCE PROGRAMS, COLLEGE PREPARATION, CONSERVATION, DROPOUTS, NATURAL RESOURCES, NATURAL SCIENCES, RECREATION, VOCATIONAL EDUCATION.

ES 000 342
ALAMEDA COUNTY SUPPLEMENTAL SERVICES CENTER FOR ASSURANCE OF CREATIVITY. CALIF., HAYWARD, ALAMEDA COUNTY SUPT. OF SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.40 35P.

DESCRIPTORS- *ECOLOGY, *ENGLISH, *FINE ARTS, *GRADES 1-6, *GRADES 7-12, *INSERVICE TEACHER EDUCATION, *KINDERGARTEN, *LABORATORIES, CORE CURRICULUM, INFORMATION DISSEMINATION, SPECIALISTS.

ES 000 355
OCEANOGRAPHIC EDUCATION CENTER. MASS., FALMOUTH, TOWN SCHOOL COMMITTEE
EDRS PRICE MF-$0.25 HC-$0.76 19P.

DESCRIPTORS, *INSERVICE TEACHER EDUCATION, *OCEANOLOGY, *SCIENCE CENTERS, CONSERVATION, CURRICULUM DEVELOPMENT, MATERIAL DEVELOPMENT, NATURAL SCIENCES, TEACHER WORKSHOPS, TUTORING.

ES 000 357
SUMMER TEACHER-STUDENT SCIENCE PROJECT. MASS., BOLTON, NASHOBA REGIONAL SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$0.84 21P.

DESCRIPTORS- *BIOLOGY, *GRADES 7-12, *INSERVICE TEACHER EDUCATION, *SUMMER PROGRAMS, TALENTED STUDENTS, OUTDOOR PROGRAMS, *TALENTED STUDENTS, OUTDOOR PROGRAMS, RESEARCH.

ES 000 358
INDOOR-OUTDOOR SCIENCE CENTER. MD., OAKLAND, GARRETT COUNTY BOARD OF EDUCATION
EDRS PRICE MF-$0.25 HC-$0.92 23P.

DESCRIPTORS- *GRADES 7-12, *GRADES 1-6, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, *SCIENCE CENTERS, ASTRONOMY, CAMPING, LABORATORIES, LIBRARIES, PLANETARIUMS, STUDY CENTERS.

ES 000 365
LOUISIANA ARTS AND SCIENCE CENTER. LA., BATON ROUGE, EAST PARISH SCHOOL BOARD
EDRS PRICE MF-$0.25 HC-$0.36 9P.

DESCRIPTORS- *ARTS CENTERS, EXHIBITS, *GRADES 1-6, *GRADES 7-12, *SCIENCE CENTERS, BUILDING DESIGN.

ES 000 366
LOUISIANA ARTS AND SCIENCE CENTER. LA., BATON ROUGE, EAST PARISH SCHOOL BOARD
EDRS PRICE MF-$0.25 HC-$1.60 40P.

DESCRIPTORS- *SCIENCE CENTERS, ADVANCED PROGRAMS, ARCHAEOLOGY, EDUCATIONAL TELEVISION, EXHIBITS, LIBRARIES, MOBILE UNITS, UNITS, MUSEUMS, PLANETARIUMS.

ES 000 368
OWENSBORO AREA NATURAL SCIENCE MOBILE PROJECTS. KY., OWENSBORO, PUBLIC SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.04 26P.

DESCRIPTORS- *EXHIBITS, *GRADES 1-6, *GRADES 7-12, *MOBILE UNITS, *MUSEUMS, *NATURAL SCIENCES, EDUCATIONALLY DISADVANTAGED, LECTURE.

ES 000 375
PILOT MODEL, MOBILE ELECTRONICS LABORATORY. IDAHO, RUPERT, MINIDOKA COUNTY JOINT SCHOOL DISTRICT 331
EDRS PRICE MF-$0.25 HC-$1.04 26P.

DESCRIPTORS- *ELECTRONICS, *GRADES 1-6, *GRADES 7-12, *MOBILE LABORATORIES.

ES 000 376
PROGRAM OF OUTDOOR EDUCATION. IDAHO, AMERICAN FALLS, SCHOOL DISTRICT 361
EDRS PRICE MF-$0.25 HC-$0.68 17P.

DESCRIPTORS- *COUNSELING, *GRADE 7, *GRADES 7-12, *OUTDOOR PROGRAMS, *RECREATIONAL PROGRAMS, *SUMMER PROGRAMS, JUNIOR HIGH SCHOOLS, PILOT PROJECTS, TRANSFER STUDENTS.

ES 000 380
FERNBANK SCIENCE CENTER. GA., DECATUR, DEKALB COUNTY BD. OF EDUCATION
EDRS PRICE MF-$0.25 HC-$1.28 32P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *MUSEUMS, *OUTDOOR PROGRAMS, PLANETARIUMS, *SCIENCE CENTERS, ADVANCED PROGRAMS, NATURAL SCIENCES, PHYSICAL SCIENCES.

ES 000 381
PLANATERIUM, OBSERVATORY, AND EXHIBITION CENTER FOR BREVARD COUNTY. FLA., TITUSVILLE, BREVARD COUNTY BD. OF PUB. INST.
EDRS PRICE MF-$0.25 HC-$0.88 22P.

DESCRIPTORS- *ASTRONOMY, *GRADES 1-6, *GRADES 7-12, *PLANETARIUMS, *SCIENCE CENTERS, *SPACE SCIENCES, COMMUNITY COOPERATION, EXHIBITS.

ES 000 388
TALCOTT RIDGE SCIENCE CENTER FOR STUDENT INVOLVEMENT. CONN., AVON, BOARD OF EDUCATION
EDRS PRICE MF-$0.25 HC-$0.88 22P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *SCIENCE CENTERS, ASTRONOMY, CONCEPT TEACHING, GEOLOGY, INSERVICE PROGRAMS, INTERDISCIPLINARY APPROACH, PHYSICAL SCIENCES, PLANETARIUMS, SPACE SCIENCES, TALENTED STUDENTS.

ES 000 391
DEVELOPING CREATIVE AND CRITICAL THINKING THROUGH AN ELEMENTARY SCHOOL SCIENCE PROGRAM. COLO., BOULDER, BOULDER VALLEY SCHOOL DIST. RE. 2
EDRS PRICE MF-$0.25 HC-$1.28 32P.

DESCRIPTORS- *CREATIVE THINKING, *CRITICAL THINKING, *ELEMENTARY SCIENCE, *GRADES 1-6.

ES 000 393
NORTHERN SAN JOAQUIN VALLEY COUNTIES SUPPLEMENTARY EDUCATION CENTER. CALIF., STOCKTON, SAN JOAQUIN COUNTY SUPT. OF SCH.
EDRS PRICE MF-$0.25 HC-$1.56 39P.

DESCRIPTORS- *CULTURAL ENRICHMENT, *GRADES 1-6, *GRADES 7-12, *SCIENCE PROGRAMS, *SOCIAL SCIENCES, CONSERVATION, EDUCATIONAL TELEVISION, FINE ARTS, INSERVICE PROGRAMS, LABORATORIES.

ES 000 394
PLANNING GRANT FOR AN ORANGE COUNTY SUPPLEMENTARY EDUCATIONAL CENTER. CALIF., SANTA ANA, ORANGE COUNTY SUPT. OF SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.32 33P.

DESCRIPTORS- *CULTURAL CENTERS, *GRADES 1-6, *GRADES 7-12, *SCIENCE CENTERS, ADULT EDUCATION, CULTURAL ENRICHMENT, CURRICULUM IMPROVEMENT, DROPOUTS, GIFTED, LOW INCOME, NON-ENGLISH SPEAKING, POPULATION GROWTH, PRESCHOOL PROGRAMS.

ES 000 399
CENTRAL CALIFORNIA LABORATORY FOR LEARNING. CALIF., FRESNO, COUNTY SCHOOLS
EDRS PRICE MF-$0.25 HC$2.32 58P.

DESCRIPTORS- *GRADE 6, *GRADES 1-6, *GRADES 7- 12., *OUTDOOR PROGRAMS, *SCIENCE PROGRAMS, *SUMMER PROGRAMS, COMMUNITY RESOURCES, ECOLOGY, FINE ARTS, INSERVICE PROGRAMS, NATURAL RESOURCES, PILOT PROJECTS, SOCIAL SCIENCES.

ES 000 407
PLANNING STUDY--SIX SCHOOL DISTRICTS. R.I., MIDDLETOWN, THE SCHOOL COMMITTEE
EDRS PRICE MF-$0.25 HC-$0.80 20P.

DESCRIPTORS-*FINE ARTS, *GRADES 1-6, *GRADES 7-12, *HUMANITIES, *KINDERGARTEN, *SCIENCES, ENRICHMENT PROGRAMS.

ES 000 419
REGIONAL ELEMENTARY SCHOOL TEACHER UPGRADING PROJECT. CONN., WATERTOWN BOARD OF EDUCATION.
EDRS PRICE MF-$0.25 HC-$1.24 31P.

DESCRIPTORS- *ELEMENTARY SCIENCE, *GRADES 1-6, *INSERVICE TEACHER EDUCATION, *MODERN MATHEMATICS, *SUMMER SCHOOLS, DEMONSTRATION PROGRAMS, SPECIALISTS, TEACHER IMPROVEMENT.

ES 000 431
MARINE SCIENCE STATION. FLA., INVERNESS, CITRUS COUNTY BD. OF PUB.INST.
EDRS PRICE MF-$0.25 HC-$0.52 13P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *OCEANOLOGY, *SCIENCE CENTERS, ADVANCED PROGRAMS, EDUCATIONAL TELEVISION, FIELD TRIPS, NATURAL SCIENCES, RADIO.

ES 000 436
CONSERVATION CENTER OF CREATIVE THINKING. WYO., LANDER, SCHOOL DISTRICT 1
EDRS PRICE MF-$0.25 HC-$0.80 20P.

DESCRIPTORS- *CONSERVATION, *GEOLOGY, *GRADES 1-6, *GRADES 7-12, NATURAL SCIENCES, SCIENCE CENTERS.

ES 000 437
WESTERN WYOMING HERITAGE. WYO., GREEN RIVER SCHOOL DISTRICT 2
EDRS PRICE MF-$0.25 HC-$0.84 21P.

DESCRIPTORS- *CONSERVATION, *CULTURAL BACKGROUND, *EXCHANGE PROGRAMS, *INSTRUCTIONAL MATERIALS CENTERS, *NATURAL RESOURCES, MUSEUMS, NATURAL SCIENCES, OUTDOOR PROGRAMS.

ES 000 453
CREATIVE APPLICATION OF TECHNOLOGY TO EDUCATION (CATE). TEX., CORPUS CHRISTI, INDEP. SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.64 41P.

DESCRIPTORS- *CURRICULUM PLANNING, *INSERVICE PROGRAMS, *SCIENCE PROGRAMS, ELEMENTARY SCIENCE, INSTRUCTIONAL MATERIALS CENTERS, MUSEUMS, OCEANOLOGY PILOT PROJECTS, SPACE SCIENCES, STUDENT TEACHERS.

ES 000 454
DEVELOPMENT OF A COMPREHENSIVE CURRICULUM FOR ASTRONOMY, SPACE SCIENCE AND RELATED AREAS. PA., WEST CHESTER, JOINT HIGH SCHOOL BOARD
EDRS PRICE MF-$0.25 HC-$1.08 27P.

DESCRIPTORS- *ASTRONOMY, *GRADES 1-6, *GRADES 7-12, *SEQUENTIAL PROGRAMS, *SPACE SCIENCES, ADVANCED PLACEMENT, CULTURAL BACKGROUND, CURRICULUM PLANNING. INSERVICE TEACHER EDUCATION, PLANETARIUMS, VOCATIONAL EDUCATION.

ES 000 462
WEST BABYLON EDUCATIONAL CENTER. N.Y., WEST BABYLON, CITY SCHOOLS
EDRS PRICE MF-$0.25 HC-$0.60 15P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *HORTICULTURE, *OCEANOLOGY, *PLANETARIUMS, GIFTED, SCIENCE CENTERS, SEQUENTIAL PROGRAMS, SPACE SCIENCES.

ES 000 464
DEVELOPMENT OF A UNIQUE EDUCATIONAL AND CULTURAL MARINE SCIENCE CENTER. N.C., BEAUFORT, CARTERET COUNTY BOARD OF ED.
EDRS PRICE MF-$0.25 HC-$0.76 19P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *OCEANOLOGY *SCIENCE CENTERS, ADVANCED PROGRAMS, DEMONSTRATIONS, EXHIBITS, LECTURE, RADIO, TEACHER WORKSHOPS, TELEVISION.

ES 000 465
JUNIOR EXPLORERS-LEARNING CENTERS (SUMMER CREATIVE LEARNING CENTERS FOR ELEMENTARY SCHOOL PUPILS). OHIO, AKRON, BOARD OF EDUCATION
EDRS PRICE MF-$0.25 HC-$1.64 41P.

DESCRIPTORS- *CREATIVITY, *GRADE 4, *GRADE 5, *GRADE 6, *GRADES 1-6, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, *SUMMER PROGRAMS, ART, COMMUNICATION SKILLS, CONSERVATION, INDEPENDENT STUDY, INSERVICE TEACHER EDUCATION, MUSIC, PHYSICAL EDUCATION, STUDENT GROUPING, TEAM TEACHING.

ES 000 470
MOHICAN SCHOOL IN THE OUT-OF-DOORS. OHIO, ONTARIO, SPRINGFIELD LOCAL BOARD OF ED.
EDRS PRICE MF-$0.25 HC-$1.00 23P.

DESCRIPTORS- *CAMPING, *DEMOCRATIC VALUES, *GRADE 6, *GRADES 1-6, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, ASTRONOMY, CONSERVATION, MUSEUMS, TEAM TEACHING.

ES 000 474
TEACHER-STUDENT WORKSHOP IN NUCLEAR SCIENCE. PA., BETHLEHEM, AREA SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.40 35P.

DESCRIPTORS- *ATOMIC THEORY, *GRADE 11, *GRADES 7-12, *WEEKEND PROGRAMS, *WORKSHOPS, BIOLOGY, CHEMISTRY, FIELD TRIPS, INDUSTRIAL EDUCATION, INSERVICE PROGRAMS, LABORATORY EXPERIMENTS, PHYSICS.

ES 000 475
REGIONAL SUPPLEMENTARY EDUCATIONAL CENTER. PA., CALIFORNIA, JOINT BOARD OF TRI-COUNTY SCH. DIR.
EDRS PRICE NF-$0.25 HC-$1.48 37P.

DESCRIPTORS- *AUDIOVISUAL AIDS, *CURRICULUM DEVELOPMENT, *GRADES 1-6, *GRADES 7-12, INSERVICE PROGRAMS, *SCIENCES.

ES 000 482
STUDY TO DETERMINE THE EDUCATIONAL POTENTIAL OF THE TYLER ARBORETUM AND THE JEFFORDS STATE PARK. PA., LIMA, ROSE TREE UNION SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.52 38P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *KINDERGARTEN, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, *PARKS, CONSERVATION, CURRICULUM PLANNING, FIELD TRIPS, HORTICULTURE, INSERVICE PROGRAMS, MATERIAL DEVELOPMENT.

ES 000 489
REGIONAL CENTER FOR STUDY AND IMPROVEMENT OF ELEMENTARY SCIENCE EDUCATION. N.Y., SCOTTSVILLE, WHEATLAND-CHILI CENTRAL SCH.
EDRS PRICE MF-$0.25 HC$1.24 31P.

DESCRIPTORS- *CURRICULUM PLANNING, *ELEMENTARY SCIENCE, *GRADES 1-6, *RESOURCE CENTERS, DEMONSTRATION PROGRAMS, INSERVICE TEACHER EDUCATION, PRESERVICE EDUCATION.

ES 000 494
INSERVICE TEACHER EDUCATION COURSES IN ART AND SCIENCE FOR NEW HAMPSHIRE ELEMENTARY CLASSROOM TEACHERS. N.H., HAMPTON, SUPERVISORY UNION 21
EDRS PRICE MF-$0.25 HC-$1.72 43P.

DESCRIPTORS- *ART, *ELEMENTARY SCHOOL TEACHERS, *INSERVICE TEACHER EDUCATION, *INSTRUCTIONAL TELEVISION, *SCIENCES, TEACHER IMPROVEMENT.

ES 000 501
OUTDOOR EDUCATION. N.J., LINDEN, BOARD OF EDUCATION
EDRS PRICE MF-$0.25 HC-$2.08 52P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *OUTDOOR PROGRAMS, *YEAR ROUND PROGRAMS, BUILDING IMPROVEMENT, CAMPING, CURRICULUM ENRICHMENT, INSERVICE PROGRAMS, INTERDISCIPLINARY APPROACH, SCIENCES.

ES 000 509
ONONDAGA COUNTY EDUCATIONAL AND CULTURAL CENTER. N.Y., CAMILLUS, CENTRAL SCHOOL DISTRICT 1
EDRS PRICE MF-$0.25 HC-$1.32 33P.

DESCRIPTORS- *ADVANCED PROGRAMS, *LIBRARY SERVICES *MUSEUMS, *OUTDOOR PROGRAMS, *PSYCHOLOGICAL SERVICES, *REMEDIAL INSTRUCTION, *SUMMER PROGRAMS, ADULT EDUCATION, ARITHMETIC, EDUCATIONAL TELEVISION, INSERVICE TEACHER EDUCATION, INSTRUCTIONAL MATERIALS, LANGUAGE DEVELOPMENT, RADIO, READING, VOLUNTEERS.

ES 000 516
NORTHWEST OKLAHOMA EDUCATIONAL MATERIALS CENTER. OKLAHOMA, ENID, BD. OF ED. DISTRICT 57
EDRS PRICE MF-$0.25 HC-$0.76 19P.

DESCRIPTORS- *AUDIOVISUAL AIDS, *FINE ARTS, *INSTRUCTIONAL MATERIALS CENTERS, *INTERCULTURAL PROGRAMS, *SCIENCE CENTERS, CULTURAL EXCHANGE, MEDIA SPECIALISTS, MINORITY GROUPS, PLANETARIUMS.

ES 000 519
MULTI-MEDIA INSTRUCTIONAL CENTER. ARK., EL DORADO, SCHOOL DISTRICT 15
EDRS PRICE MF-$0.25 HC-$1.28 32P.

DESCRIPTORS- *AUDIOVISUAL AIDS, *CLOSED CIRCUIT TELEVISION, *GRADES 1-6, *GRADES 7-12, *INSTRUCTIONAL MATERIALS CENTER, *OUTDOOR PROGRAMS, INSERVICE TEACHER EDUCATION, LABORATORIES.

ES 000 527
LOUISIANA ARTS AND SCIENCE CENTER. LA., BATON ROUGE, EAST PARISH SCHOOL BOARD
EDRS PRICE MF-$0.25 HC-$1.72 43P.

DESCRIPTORS- *EXHIBITS, *GRADES 1-6, *GRADES 7-12, *PLANETARIUMS, INSERVICE PROGRAMS, SCIENCE CENTERS, VOLUNTEERS.

ES 000 528
REGIONAL CULTURAL RESOURCES CENTER. ARIZ., TUSCON, PIMA COUNTY SCHOOL DISTRICT 1
EDRS PRICE MF-$0.25 HC-$0.76 19P.

DESCRIPTORS- *ARTS, *RESOURCE CENTERS, *SCIENCES, *SENSORY EXPERIENCE, MATHEMATICS.

ES 000 532
SURVEY OF EDUCATIONAL AND CULTURAL RESOURCES OF BEDFORD, BLAIR, CAMBRIA, SOMERSET COUNTIES WITH SPECIAL EMPHASIS ON NEEDS OF EXCEPTIONAL CHILDREN, NEEDS OF INSTRUCTIONAL MATERIALS, NEEDS OF CULTURALLY DEPRIVED. PA., DUNCANSVILLE, ELEMENTARY SCHOOL
EDRS PRICE MF-$0.25 HC-$0.92 23P.

DESCRIPTORS- *COUNSELING, *CULTURAL ACTIVITIES, *GRADES 1-6, *GRADES 7-12, *INSTRUCTIONAL MATERIALS, *OUTDOOR PROGRAMS, *SPECIAL EDUCATION, *VOCATIONAL EDUCATION, CAMPING, EXCEPTIONAL CHILDREN, MOBILE UNITS, PHYSICAL EDUCATION, RECREATIONAL PROGRAMS, RURAL SCHOOLS.

ES 000 551
PILOT NATURE CENTER PROGRAM. DEL., GREENWOOD, SCHOOL NO. 91
EDRS PRICE MF-$0.25 HC-$1.20 30P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, CURRICULUM DEVELOPMENT, SCIENCE ACTIVITIES, SCIENCE EXPERIMENTS.

ES 000 553
CENTER OF SCIENCE AND INDUSTRY. OHIO, CINCINNATI, BD. OF ED., CITY SCHOOL DIST.
EDRS PRICE MF-$0.50 HC-$3.96 99P.

DESCRIPTORS- *EXHIBITS, *GRADES 1-6, *GRADES 7-12, *INSERVICE TEACHER EDUCATION, *KINDERGARTEN, *MOBILE LABORATORIES, *SCIENCE CENTERS, *SCIENCE PROGRAMS, CAREER PLANNING, COLLEGE STUDENTS, COMMUNITY RESOURCES, DEMONSTRATIONS, (EDUCATIONAL), ENGINEERING, ENRICHMENT PROGRAMS, GIFTED, HOBBIES, SEMINARS.

ES 000 556
MID-SOUTH REGIONAL SCIENCE CENTER. TENN., MEMPHIS, CITY SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.92 48P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *INSERVICE PROGRAMS, *LIBRARIES, *PLANETARIUMS, *SCIENCE CENTERS, *SUMMER PROGRAMS, CLOSED CIRCUIT TELEVISION, COLLEGE STUDENTS, DEMONSTRATION PROGRAMS, FIELD TRIPS, INSTRUCTIONAL MATERIALS, MOBILE UNITS, MUSEUMS, NATURAL SCIENCES, SCIENCE LABORATORIES, SPACE SCIENCES.

ES 000 560
CENTRAL PENNSYLVANIA OUTDOOR EDUCATION PROJECT. PA., BELLFONTE, CENTRE COUNTY BOARD OF ED.
EDRS PRICE MF-$0.50 HC-$3.24 81P.

DESCRIPTORS- *GRADES 1-6, *INSERVICE TEACHER EDUCATION *KINDERGARTEN, *OUTDOOR PROGRAMS, ENVIRONMENT, SUMMER WORKSHOPS,

ES 000 564
CONSERVATION AND ENVIRONMENTAL SCIENCE IN SOUTHERN NEW JERSEY. N.J., GLASBORO, BOROUGH BOARD OF EDUCATION.
EDRS PRICE MF-$0.25 HC-$1.44 36P.

DESCRIPTORS- *CONSERVATION, *GRADES 1-6, *GRADES 7-12, *KINDERGARTEN, *NATURAL RESOURCES, *OUTDOOR PROGRAMS, YEAR ROUND PROGRAMS, DROPOUTS, ENVIRONMENTAL INFLUENCES, HANDICAPPED, INSERVICE PROGRAMS, STUDENT TEACHERS.

ES 000 572
TRI-COUNTY EDUCATIONAL RESEARCH FOUNDATION CENTER. ILL., PEORIA, COUNTY SUPT. OF SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.04 26P.

DESCRIPTORS- *AUDIOVISUAL AIDS, *MUSIC ACTIVITIES, *PLANETARIUMS, *REMEDIAL PROGRAMS, CULTURAL ENRICHMENT, EXHIBITS, MUSEUMS, SPACE SCIENCES.

ES 000 577
INTEGRATING OUTDOOR EDUCATION WITH A FLEXIBLE ACADEMIC-VOCATIONAL CURRICULUM. MICH., GRAND HAVEN, BOARD OF EDUCATION
EDRS PRICE MF-$0.25 HC-$1.48 37P.

DESCRIPTORS- *DROPOUTS, *GRADES 1-6, *GRADES 7-12, *INTEGRATED CURRICULUM, *KINDERGARTEN, *OUTDOOR PROGRAMS, *TERMINAL STUDENTS, *VOCATIONAL EDUCATION, FLEXIBLE SCHEDULING, MATHEMATICS, POTENTIAL DROPOUTS, SCIENCES, WORK EXPERIENCE PROGRAMS.

ES 000 584
INTERDISCIPLINARY OUTDOOR EDUCATION PROGRAM. WASH., SEATTLE, SHORELINE SCHOOL DISTRICT 412
EDRS PRICE MF-$0.25 HC-$2.04 51P.

DESCRIPTORS- *CONSERVATION, *GRADES 1-6, *GRADES 7-12, *INTERDISCIPLINARY APPROACH, *OUTDOOR PROGRAMS, ART, BIOLOGY, CREATIVE WRITING, ECOLOGY, ENGLISH, FIELD TRIPS, NATURAL RESOURCES, SCIENCES.

ES 000 586
COMPUTER USES IN EDUCATION, CALIF., SANTA BARBARA, ELEM-HIGH SCHOOL DIST.
EDRS PRICE MF-$0.25 HC-$1.32 33P.

DESCRIPTORS- *COMPUTER ORIENTED PROGRAMS, *CONTROL GROUPS, *EXPERIMENTAL PROGRAMS, *GRADES 7-12, *MATHEMATICS, *PHYSICS.

ES 000 591
NATURAL HISTORY MUSEUM AND RESEARCH CENTER. CALIF., SAN LORENZO, UNIFIED SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.08 27P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *KINDERGARTEN, *MUSEUMS, *NATURAL RESOURCES, *STUDENT RESEARCH, ECOLOGY, EXHIBITS, FIELD TRIPS, GEOLOGY, INSERVICE PROGRAMS.

ES 000 592
EXPLORING NATURE'S CLASSROOM. MICH., COLDWATER CITY SCHOOL DISTRICT
EDRS PRICE MF-$0.50 HC-$3.72 93P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *KINDERGARTEN, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, *SCIENCE CENTERS, *YEAR ROUND PROGRAMS, AGRICULTURE, ASTRONOMY, CONSERVATION, GEOLOGY, INSERVICE PROGRAMS.

ES 000 595
MATHEMATICS AND SCIENCE CENTER. VA., RICHMOND, CITY SCHOOL DISTRICT
EDRS PRICE MF-$0.50 HC-$3.72 93P.

DESCRIPTORS- *COMPUTER PROGRAMS, *GRADES 1-6, *GRADES 7-12, *MATHEMATICS, *PLANETARIUMS, *SCIENCE CENTERS, EXPERIMENTS, MUSEUMS, PHYSICAL SCIENCES, PROGRAMING, TALENTED STUDENTS.

ES 000 604
CAMPING SCHOOL. N.J., KEARNY, BOARD OF EDUCATION
EDRS PRICE MF-$0.25 HC-$1.56 39P.

DESCRIPTORS- *CAMPING, *GRADE 6, *OUTDOOR PROGRAMS, *SCIENCES, *STUDENT TEACHER RELATIONSHIP, ART, CONSERVATION, DRAMATICS, MUSIC.

ES 000 611
PLANNING FOR OUTDOOR EDUCATION. KANS., TOPEKA, UNIFIED SCHOOL DISTRICT 345
EDRS PRICE MF-$0.25 HC-$1.08 27P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, *YEAR ROUND PROGRAMS, FINE ARTS, HISTORY, RECREATION.

ES 000 620
KERSHAW AREA SUPPLEMENTARY EDUCATIONAL SERVICES CENTER. S.C., CAMDEN, KERSHAW COUNTY SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.80 45P.

DESCRIPTORS- *COMMUNICATIONS, *CULTURAL ACTIVITIES, *PSYCHOLOGICAL SERVICES, *SCIENCE PROGRAMS, ADULT EDUCATION, AUDIOVISUAL AIDS, CULTURALLY DISADVANTAGED, GIFTED, HANDICAPPED, PRESCHOOL PROGRAMS, REMEDIAL INSTRUCTION, RETARDATION, RURAL AREAS,SCIENCE CENTERS, TEACHING TECHNIQUES, VOCATIONAL EDUCATION.

ES 000 624
WISCONSIN REGIONAL SPACE CENTER. WIS., MILWAUKEE, BOARD OF SCHOOL DIRECTORS
EDRS PRICE MF-$0.25 HC.$1.24 31P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *INTERDISCIPLINARY APPROACH, *SCIENCE CENTERS, *SIMULATION, *SPACE SCIENCES, HUMANITIES, INSERVICE PROGRAMS, PLANETARIUMS, SCIENCES.

ES 000 637
SOUTHWEST MISSOURI EDUCATIONAL IMPROVEMENT CENTER MO., WEBB CITY, R-7 SCHOOL

DISTRICT
EDRS PRICE MF-$0.25 HC-$1.36 34P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *LANGUAGE ARTS, *MATHEMATICS, DEVELOPMENTAL READING, ENGLISH, INITIAL TEACHING ALPHABET, INSERVICE PROGRAMS, MODERN MATHEMATICS, PROGRAMED INSTRUCTION, REMEDIAL READING, SPELLING.

ES 000 654
NORTHWEST LOUISIANA SUPPLEMENTARY EDUCATIONAL CENTER AND SERVICES--CURRICULUM IMPROVEMENT IN SCIENCE FOR EXCEPTIONAL CHILDREN. LA., BENTON, BOSSIER PARISH SCHOOL BOARD
EDRS PRICE MF-$0.50 HC-$3.96 99P.

DESCRIPTORS- *EXCEPTIONAL CHILDREN, *GRADES 1-6, *GRADES 7-12, *INSERVICE TEACHER EDUCATION, *KINDERGARTEN, *RESOURCE CENTERS, *SCIENCE PROGRAMS, GIFTED, HANDICAPPED, INDEPENDENT STUDY, LABORATORIES, NATURAL SCIENCES, PLANETARIUMS, SPACE SCIENCES.

ES 000 655
REGIONAL NATURAL RESOURCE EDUCATION AND DEMONSTRATION CENTER. ILL., SYCAMORE, DEKALB COUNTY SUPT. OF SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.40 35P.

DESCRIPTORS- *CONSERVATION, *NATURAL RESOURCES, SCIENCE CENTERS, SCIENCES, SOCIAL STUDIES.

ES 000 663
SOUTH BRONX MULTI-PURPOSE SUPPLEMENTARY EDUCATIONAL CENTER. N.Y., BROOKLYN, BD. OF ED., CITY OF NEW YORK.
EDRS PRICE MF-$0.50 HC-$2.88 72P.

DESCRIPTORS- *CULTURAL BACKGROUND, *FINE ARTS, *LANGUAGE ARTS, *MATHEMATICS, *PARENT PARTICIPATION, ART, CULTURAL ENRICHMENT, MUSIC, NEGRO, PROGRAMED INSTRUCTION, PUERTO RICAN, SPACE SCIENCES, TEACHER AIDES.

ES 000 670
NAPA EXPERIMENTAL FOREST. CALIF., NAPA, NAPA VALLEY UNIFIED SCHOOL DIST.
EDRS PRICE MF-$0.25 HC-$2.04 51P.

DESCRIPTORS- *CURRICULUM DEVELOPMENT, *DELINQUENCY PREVENTION, *DROPOUT PREVENTION, *GRADES 1-6, *GRADES 7-12, *SCIENCE PROGRAMS, CONSERVATION, NATURAL SCIENCES, WORK STUDY PROGRAMS.

ES 000 676
MODERN SCIENCE SEMINAR. N.H., HENNIKER, SCHOOL DISTRICT.
EDRS PRICE MF-$0.25 HC-$2.20 55P.

DESCRIPTORS- *GRADES 7-12, *SCIENCE PROGRAMS, *SEMINARS, *STUDENT RESEARCH, *TALENTED STUDENTS, *WEEKEND PROGRAMS, BIOLOGY, CHEMISTRY, COLLEGE COOPERATION, ELECTRONICS, MATHEMATICS.

ES 000 678
OUTDOOR SCHOOL IN CONSERVATION. MONT., ALBERTON, JOINT SCHOOL DISTRICT 2.
EDRS PRICE MF-$0.25 HC-$1.44 36P.

DESCRIPTORS- *CONSERVATION, *GRADE 6, *GRADE 7, *OUTDOOR PROGRAMS.

ES 000 681
AVAILABILITY OF SUPPLEMENTAL EDUCATIONAL RESOURCES THROUGH THE USE OF A PLANETARIUM. NEBR., GRAND ISLAND, SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.52 38P.

DESCRIPTORS- *AUDIOVISUAL CENTERS, *GRADES 1-6, *GRADES 7-12, *KINDERGARTEN *PLANETARIUMS, *SPACE SCIENCES, CURRICULUM PLANNING, INSERVICE TEACHER EDUCATION, VIDEO TAPE RECORDINGS.

ES 000 700
WEST MET. MASS., WELLESLEY, SCHOOL DEPARTMENT
EDRS PRICE MF-$0.25 HC-$2.08 52P.

DESCRIPTORS- *ADVANCED PLACEMENT, *CULTURAL ACTIVITIES, *CURRICULUM DEVELOPMENT, *HANDICAPPED, *SCIENCE PROGRAMS.

ES 000 705
BIOLOGICAL AND SOIL CONSERVATION LABORATORY. MO., EDINA, KNOX COUNTY R-1 SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.08 27P.

DESCRIPTORS- *BIOLOGY, *CONSERVATION, *GRADES 1-6, *GRADES 7-12, *NATURAL SCIENCES, DEMONSTRATION CENTERS, INSERVICE TEACHER EDUCATION.

ES 000 709
SUPPLEMENTARY CENTER FOR OUTDOOR EDUCATION AND CONSERVATION EDUCATION. N.Y., GREAT NECK, PUBLIC SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.76 44P.

DESCRIPTORS- *CAMPING, *CONSERVATION, *CURRICULUM GUIDES, *GRADES 1-6, *GRADES 7-12, *OUTDOOR PROGRAMS, AUDIOVISUAL AIDS, RECREATION, REFERENCE MATERIALS.

ES 000 712
COOPERATIVE WORK-LEARN CONSERVATION AND RESOURCE-USE PROGRAM. WIS., PORTAGE, COOP. EDUCATIONAL AGENCY 12
EDRS PRICE MF-$0.25 HC-$1.56 39P.

DESCRIPTORS- *CONSERVATION, *GRADES 1-6, *GRADES 7-12, *OUTDOOR PROGRAMS, *SUMMER PROGRAMS, *WORK STUDY PROGRAMS, NATURAL RESOURCES.

ES 000 715
PROPOSAL TO ESTABLISH AND MAINTAIN A CONSERVATION AND WILDLIFE STUDY AREA. MONT., MISSOULA, COUNTY H.S. BOARD OF TRUSTEES
EDRS PRICE MF-$0.25 HC-$1.32 33P.

DESCRIPTORS- *CONSERVATION, *GRADES 7-12, *OUTDOOR PROGRAMS, BIOLOGY, INSERVICE TEACHER EDUCATION, NATURAL SCIENCES.

ES 000 717
REGIONAL OUTDOOR EDUCATION PROGRAM. OREG., PORTLAND, MULTNOMAH COUNTY INT. ED. DIST.
EDRS PRICE MF-$0.25 HC-$0.92 23P.

DESCRIPTORS- *CONSERVATION, *GRADE 6, *NATURAL RESOURCES, *OUTDOOR PROGRAMS.

ES 000 724
SUPPLEMENTARY EDUCATIONAL CENTERS AND SERVICES FOR CURRICULUM ENRICHMENT IN NORTHEASTERN VERMONT. VT., ST. JOHNSBURY, SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$2.04 51P.

DESCRIPTORS- *EDUCATIONAL DEMONSTRATIONS, *GRADES 1-6, *GRADES 7-12, *LECTURE, *MUSEUMS, *SCIENCE PROGRAMS, CONSULTANTS, CURRICULUM ENRICHMENT, GIFTED, INSERVICE TEACHER EDUCATION, RURAL YOUTH.

ES 000 739
COOPERATIVE PROJECT TO PROVIDE SUPPLEMENTAL SERVICES TO A GROUP OF ELEMENTARY AND SECONDARY SCHOOLS OF NEW MEXICO. N. MEX., BAYARD, COBRE PUBLIC SCHOOL DISTRICT.
EDRS PRICE MF-$0.25 HC-$1.68 42P.

DESCRIPTORS- *BIOLOGY, *CONSULTATION PROGRAMS, *GRADES 1-6, *GRADES 7-12, *INSTRUCTIONAL MATERIALS, *MATERIAL DEVELOPMENT, *MOBILE UNITS, *REMEDIAL READING, EXHIBITS, GUIDANCE, INSERVICE PROGRAMS.

ES 000 747
DEEP RIVER OUTDOOR EDUCATION CENTER. IND., GARY, COMMUNITY SCHOOL CORPORATION.
EDRS PRICE MF-$0.25 HC-$1.16 29P.

DESCRIPTORS- *CAMPING, *ENRICHMENT PROGRAMS, *OUTDOOR PROGRAMS.

ES 000 749
AREA PLANNING FOR OUTDOOR EDUCATION. MINN., GRANITE FALLS, INDEP. SCHOOL DIST. 894
EDRS PRICE MF-$0.25 HC-$0.60 19P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *OUTDOOR PROGRAMS, INSERVICE TEACHER EDUCATION, MENTALLY HANDICAPPED.

ES 000 752
ASTRONOMY AND RELATED SPACE SCIENCES LABORATORY. W. VA., CHARLESTON, KANAWHA COUNTY BD. OF ED.
EDRS PRICE MF-$0.25 HC-$1.24 31P.

DESCRIPTORS- *ASTRONOMY, *SPACE SCIENCES, ABLE STUDENTS, HANDICAPPED CHILDREN, INSERVICE PROGRAMS, PLANETARIUMS, SCIENCE PROGRAMS.

ES 000 759
INDOOR-OUTDOOR EDUCATIONAL-RECREATIONAL PLANNING PROGRAM. OHIO, MENTOR, EXEMPTED VILLAGE SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$0.84 21P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *OUTDOOR PROGRAMS, *RECREATIONAL PROGRAMS, COMMUNITY SUPPORT, HANDICAPPED CHILDREN.

ES 000 768
MARINE PILOT PROGRAM. CALIF., SANTA ANA, ORANGE COUNTY SUPT. OF SCHOOLS
EDRS PRICE MF-$0.25 HC-$1.40 35P.

DESCRIPTORS- *BIOLOGY, *GRADES 7-12, *OCEANOLOGY, AUDIOVISUAL AIDS, ECOLOGY, GEOLOGY, MOBILE LABORATORIES, NATURAL RESOURCES.

ES 000 770
COMPUTER-ASSISTED INSTRUCTION LABORATORY IN MATHEMATICS AND SCIENCE. MO., KANSAS CITY, BOARD OF EDUCATION
EDRS PRICE MF-$0.25 HC-$1.00 25P.

DESCRIPTORS- *COMPUTER ASSISTED INSTRUCTION, *GRADE 7, *GRADE 8, *MATHEMATICS, GROUP INSTRUCTION, INDIVIDUAL INSTRUCTION, SCIENCES, SELF PACING MACHINES, SIMULATION.

ES 000 774
ACCELERATING DIFFUSION OF INNOVATIVE SCIENCE PROGRAMS. CALIF., RIVERSIDE, OFFICE OF COUNTY SUPT. OF SCHOOLS
EDRS PRICE MF-$0.25 HC-$2.28 57P.

DESCRIPTORS- *CURRICULUM DEVELOPMENT, *DEMONSTRATION PROJECTS, *GRADES 1-6, *GRADES 7-12, *SCIENCE EDUCATION, INSERVICE TEACHER EDUCATION, TEACHER ATTITUDES.

ES 000 778
SUPERIOR CALIFORNIA EDUCATIONAL RESOURCES AGENCY. CALIF., SACRAMENTO, SACRAMENTO COUNTY DEPT. OF ED.
EDRS PRICE MF-$0.25 HC-$1.28 32P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *INSERVICE PROGRAMS, *INSTRUCTIONAL MATERIALS CENTERS, *SCIENCE CENTERS, AUDIO-VISUAL AIDS, CONSULTANTS, MATERIALS PRODUCTION, MOBILE LABORATORIES, MUSEUMS.

ES 000 785
SCIENCE CENTER (PINELLAS COUNTY, FLORIDA). FLA., CLEARWATER, PINELLAS COUNTY BD. OF PUB. INST.
EDRS PRICE MF-$0.50 HC-$3.68 92P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, INDIVIDUALIZED PROGRAMS, *SCIENCE PROGRAMS, *STUDENT RESEARCH, *TALENTED STUDENTS, *YEAR ROUND PROGRAMS, SCIENCE CENTERS, VOLUNTEERS, WORKSHOPS.

ES 000 797
YOUTH MUSEUM SERVICES FOR THE IMPROVEMENT OF UNDERSTANDING OF SCIENTIFIC CHANGES IN THE MODERN WORLD.
EDRS PRICE MF-$0.25 HC-$2.08 52P.

DESCRIPTORS *GRADES 1-6, *GRADES 7-12, *MUSEUMS, *SCIENCE PROGRAMS, ASTRONOMY, EXHIBITS, FIELD TRIPS, INDUSTRY, NATURAL SCIENCES, OCEANOLOGY, SCIENTIFIC CONCEPTS.

ES 000 799
PLANNING FOR THE DEVELOPMENT AND OPERATION OF A FARM-OUTDOOR EDUCATION RESOURCE CENTER IN COOPERATION WITH THE FOREST PRESERVE DISTRICT, COOK COUNTY, ILLINOIS, TO PROVIDE STUDENTS FROM THE PUBLIC AND NON-PUBLIC SCHOOLS WITH DIRECT LEARNING EXPERIENCES. ILL., PALATINE, COMMUNITY CONSOLIDATED SCH. DIST. 15
EDRS PRICE MF-$0.25 HC-$0.64 16P.

DESCRIPTORS- *AGRICULTURE, *CULTURAL RESOURCES, *OUTDOOR PROGRAMS, ECOLOGY, ECONOMICS, FOOD, HUMANITIES, MATHEMATICS, NATURAL SCIENCES, SOIL CONSERVATION.

ES 000 802
BOOTSTRAP. ILL., NILES, EAST MAINE SCHOOL DISTRICT 63
EDRS PRICE MF-$0.25 HC-$0.96 24P.

DESCRIPTORS- *CURRICULUM DEVELOPMENT, *GRADES 1-6, *GRADES 7-12, *INSERVICE PROGRAMS, *MATHEMATICS, *READING, *SCIENCES, *SOCIAL STUDIES, GROUPING PROCEDURES, INDIVIDUAL INSTRUCTION, PROGRAMED INSTRUCTION, SEQUENTIAL PROGRAMS, TEAM TEACHING.

ES 000 815
KINGSBURY OBSERVATORY AND ASTRONOMICAL EDUCATIONAL CENTER. CALIF., KINGSBURG., JOINT UNION HIGH SCHOOL DIST.
EDRS PRICE MF-$0.25 HC-$1.52 38P.

DESCRIPTORS- *ASTRONOMY, *GRADES 1-6, *GRADES 7-12, *SCIENCE CENTERS, ADVANCED STUDENTS, CURRICULUM PLANNING, LECTURE, SPACE SCIENCES.

ES 000 818
DEVELOPMENT OF INSTRUCTIONAL OBJECTIVES FOR RADIATION SCIENCE PROGRAM. CALIF., CULVER CITY, UNIFIED SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.36 34P.

DESCRIPTORS- *ATOMIC THEORY, *GRADES 7-12, CURRICULUM DEVELOPMENT, SCIENCES, SEQUENTIAL PROGRAMS, SOCIAL SCIENCES, SYSTEMS APPROACH.

ES 000 829
PLANNING A SPACE LEARNING PROGRAM. CALIF., NEWPORT BEACH, NEWPORT-MESA UNIF. SCH. DIST.
EDRS PRICE MF-$0.25 HC-$1.32 33P.

DESCRIPTORS- *CURRICULUM DEVELOPMENT, *GRADES 1-6, *GRADES 7-12, *SCIENCE PROGRAMS, *SPACE SCIENCES, INSERVICE TEACHER EDUCATION.

ES 000 839
INSTRUCTIONAL, RESEARCH, AND DEMONSTRATION LABORATORY IN THE BIOLOGICAL SCIENCES FOR ELEMENTARY AND SECONDARY SCHOOL PUPILS. MINN., MINNEAPOLIS, INDEPENDENT SCHOOL DIST. 275.
EDRS PRICE MF-$0.25 HC-$1.36 34P.

DESCRIPTORS- *BIOLOGICAL SCIENCES, *GRADES 1-6, *GRADES 7-12, *INDEPENDENT STUDY, *INSERVICE TEACHER EDUCATION, *LABORATORIES, *STUDENT RESEARCH, CURRICULUM DEVELOPMENT, DEMONSTRATION PROGRAMS.

ES 000 850
SOUTHWEST IOWA LEARNING RESOURCES CENTER. IOWA, RED OAK, COMMUNITY SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.08 27P.

DESCRIPTORS- *COUNSELING SERVICES, *INSTRUCTIONAL MATERIALS CENTERS, *LEARNING LABORATORIES, PLANETARIUMS, DROPOUTS, INSERVICE TEACHER EDUCATION, MATERIAL DEVELOPMENT, SCIENCES, VOCATIONAL COUNSELING.

ES 000 864
OUTDOOR NATURAL SCIENCE LABORATORY IN UNIVERSITY CITY, MISSOURI. MO., UNIVERSITY CITY SCHOOL DISTRICT.
EDRS PRICE MF-$0.25 HC-$0.92 23P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *LABORATORIES, *NATURAL SCIENCES, OUTDOOR PROGRAMS.

ES 000 868
COASTAL BEND EDUCATIONAL PROJECT—OUTDOOR EDUCATION AND HUMAN DEVELOPMENT. TEX., CORPUS CHRISTI, FLOUR BLUFF IND. SCH. DIST.
EDRS PRICE MF-$0.25 HC-$1.00 25P.

DESCRIPTORS- *CONSERVATION, *GRADES 1-6, *GRADES 7-12, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, *PHYSICAL FITNESS, FIELD TRIPS, LABORATORIES, SOCIAL STUDIES.

ES 000 873
PLANETARIUM-ATMOSPHERIUM-OCEANARIUM UNIT OF A SUPPLEMENTARY EDUCATIONAL CENTER. MASS., WORCESTER, PUBLIC SCHOOLS.
EDRS PRICE MF-$0.25 HC-$0.60 15P.

DESCRIPTORS- *ASTRONOMY, *GRADES 1-6, *GRADES 7-12, *OCEANOLOGY, *PLANETARIUMS, *PROJECTION EQUIPMENT, SCIENCE CENTERS.

ES 000 877
EARTH-SPACE SCIENCE LABORATORY. MINN., ROBBINSDALE, IND. SCH. DISTRICT 281
EDRS PRICE MF-$0.25 HC-$0.92 23P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *LABORATORIES, *PLANETARIUMS, *SCIENCE CENTERS, *SIMULATION, ASTRONOMY, BIOLOGY, CHEMISTRY, EXPERIMENTS, PHYSICS, SPACE SCIENCES.

ES 000 880
OUTDOOR EDUCATIONAL CENTER. LA., ST. MARTINVILLE, ST. MARTIN PARISH SCH. BD.
EDRS PRICE MF-$0.25 HC-$1.44 36P.

DESCRIPTORS- *BIOLOGY, *GRADES 1-6, *GRADES 7-12, *OUTDOOR PROGRAMS, *SCIENCE CENTERS, *STUDENT RESEARCH, *YEAR ROUND PROGRAMS, LABORATORIES, NATURAL SCIENCES.

ES 000 881
FLINT HILLS ELEMENTARY SCIENCE. KANSAS., HAMILTON, UNIFIED SCHOOL DISTRICT 390.
EDRS PRICE MF-$0.25 HC-$1.84 46P.

DESCRIPTORS- *CURRICULUM DEVELOPMENT, *GRADE 6, *GRADE 7, *GRADE 8, *SCIENCES, *TEACHER WORKSHOPS, SUMMER SCHOOLS, TEACHER IMPROVEMENT.

ES 000 912
PLANNING FOR THE UTILIZATION OF THE FULL POTENTIAL OF THE CENTER OF SCIENCE AND INDUSTRY AS A SUPPLEMENTARY EDUCATIONAL CENTER. OHIO, COLUMBUS, CITY SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$0.84 21P.

DESCRIPTORS- *CAREER PLANNING, *ENRICHMENT ACTIVITIES, *SCIENCE CENTERS, ABLE STUDENTS, DISADVANTAGED YOUTH, EXHIBITS, HISTORY, INSERVICE TEACHER EDUCATION, SCIENCE LABORATORIES.

ES 000 920
OUTDOOR EDUCATION LABORATORY. MICH., CONSTANTINE, PUBLIC SCHOOLS
EDRS PRICE MF-$0.25 HC-$0.64 16P.

DESCRIPTORS- *BIOLOGY, *CONSERVATION, *ECOLOGY, *GRADES 1-6, *GRADES 7-12, *LABORATORIES, *OUTDOOR PROGRAMS, NATURAL RESOURCES.

ES 000 922
LOWELL ENVIRONMENTAL ARTS AND SCIENCE CENTER. MASS., LOWELL, PUBLIC SCHOOLS.
EDRS PRICE MF-$0.25 HC-$1.36 34P.

DESCRIPTORS- *ELEMENTARY SCHOOL STUDENTS, OUTDOOR PROGRAMS, *SCIENCE CENTERS, *STUDENT TEACHERS, CONSERVATION, CURRICULUM DEVELOPMENT, FACILITY EXPANSION, TEACHER EDUCATION.

ES 000 948
COOPERATIVE SUMMER SCHOOL CAMP. COLO., ALAMOSA, SAN LUIS VALLEY BD. OF COOP. SVCS.
EDRS PRICE MF-$0.25 HC-$1.44 36P.

DESCRIPTORS- *CAMPING, *CLINICAL DIAGNOSIS, *DISADVANTAGED YOUTH, *GIFTED, *SUMMER SCHOOLS, FINE ARTS, HUMANITIES, OUTDOOR PROGRAMS, SCIENCE PROGRAMS.

ES 000 950
EDUCATIONAL PROJECT FOR NATURAL RESOURCES CONSERVATION. TEX., NEW BRAUNFELS, COMAL COUNTY SCHOOLS.
EDRS PRICE MF-$0.25 HC-$1.12 28P.

DESCRIPTORS- *CONSERVATION, *EDUCATIONAL DEMONSTRATIONS, *NATURAL RESOURCES, AUDIOVISUAL AIDS, EXHIBITS, FIELD TRIPS, LECTURE, MOBILE UNITS, TEACHING GUIDES.

ES 000 960
BEYOND FOUR WALLS. WASH., KIRKLAND, LAKE WASHINGTON SCH. DIST. 414
EDRS PRICE MF-$0.25 HC-$1.04 26P.

DESCRIPTORS- *CONSERVATION, *GRADES 1-6, *GRADES 7-12, *OUTDOOR PROGRAMS, ECOLOGY, ECONOMICS, EXCEPTIONAL CHILDREN, FACILITIES, INSERVICE PROGRAMS.

ES 000 979
FOSTERING CREATIVITY AND CULTURAL AWARENESS. OKLA., ADA, IND. SCH. DIST. 16, PONTOTOC COUNTY
EDRS PRICE MF-$0.50 HC-$3.24 81P.

DESCRIPTORS- *CULTURAL ENRICHMENT, *DRAMATICS, *FIELD TRIPS, *GRADES 1-6, *GRADES 7-12, *LIBRARIES, *MUSIC, *SCIENCES, CREATIVITY.

ES 001 002
OUTDOOR EDUCATIONAL CAMP. UTAH, AMERICAN FOLK, ALPINE SCHOOL DISTRICT
EDRS PRICE MF-$0.25 HC-$1.36 34P.

DESCRIPTORS- *CAMPING, *CONSERVATION EDUCATION, *GRADE 5, *NATURAL SCIENCES, CURRICULUM PLANNING.

ES 001 006
NATURE STUDY CENTER. N.H., KEENE, MONADNOCK REGIONAL SCHOOL DISTRICT.
EDRS PRICE MF-$0.25 HC-$2.20 55P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, OUTDOOR PROGRAMS, AGRICULTURE, ART, BIOLOGY, CONSERVATION EDUCATION, NATURAL SCIENCES, PHOTOGRAPHY.

ES 001 017
SEATTLE ARTS AND SCIENCE CENTER—SCIENCE AND MATHEMATICS COMPONENT. WASH., SEATTLE, SCHOOL DISTRICT 1
EDRS PRICE MF-$0.50 HC-$2.64 66P.

DESCRIPTORS- *ASTRONOMY, *INSERVICE PROGRAMS, *MATHEMATICS, *SCIENCE LABORATORIES, SCIENCE CENTERS, TALENTED STUDENTS.

ES 001 018
DEVELOPING AND UTILIZING CULTURAL RESOURCES. OKLA., OKLAHOMA CITY, IND. SCHOOL DISTRICT 89.
EDRS PRICE MF-$0.25 HC-$2.18 54P.

DESCRIPTORS- *FIELD TRIPS, *GRADES 1-6, *GRADES 7-12, *MUSIC ACTIVITIES, *SCIENCE PROGRAMS, *STORY TELLING, *THEATER ARTS, CONCERTS, CULTURAL ENRICHMENT, MUSIC TECHNIQUES.

ES 001 045
DETERMINATION OF NEEDS AND REQUIREMENTS FOR A CONSERVATION EDUCATION AND OUTDOOR EDUCATION LABORATORY IN THE NORTHERN SUBURBAN FRINGE OF THE STANDARD COLUMBUS METROPOLITAN AREA. OHIO, WORTHINGTON, EXEMPTED VILLAGE SCHOOL DIST.
EDRS PRICE MF-$0.25 HC-$0.88 22P.

DESCRIPTORS- *CONSERVATION EDUCATION, *GRADES 1-6, *GRADES 7-12, *LABORATORIES, *OUTDOOR PROGRAMS, ADVANCED PLACEMENT, CAMPING, CURRICULUM ENRICHMENT, INSERVICE PROGRAMS.

ES 001 051
PLANETARIUM AND MUSEUM OF ARTS AND SCIENCES. IDAHO, TWIN FALLS, SCHOOL DISTRICT 411.
EDRS PRICE MF-$0.25 HC-$0.84 21P.

DESCRIPTORS- *GRADES 1-6, *GRADES 7-12, *MUSEUMS, *PLANETARIUMS, *SCIENCE CENTERS, FACILITY EXPANSION.

ES 001 059
OUTDOOR LABORATORY. DEL., NEWARK, SPECIAL SCHOOL DISTRICT.
EDRS PRICE MF-$0.25 HC-$2.00 50P.

DESCRIPTORS- *CONSERVATION EDUCATION, *GRADES 1-6, *GRADES 7-12, *LABORATORIES, *NATURAL SCIENCES, *OUTDOOR PROGRAMS, CURRICULUM GUIDES, ECOLOGY, FIELD TRIPS, TEACHER WORKSHOPS.

ES 001 065
REGIONAL INSTRUCTIONAL MEDIA CENTER AND MUSEUM. WYO., GREYBULL, SCH. DIST. 41 AND H.S. DIST. 1
EDRS PRICE MF-$0.25 HC-$1.56 39P.

DESCRIPTORS- *EXPERIMENTS, *FIELD TRIPS, *GEOLOGY, *GRADES 1-6, *GRADES 7-12, *INSTRUCTIONAL MATERIALS CENTERS, *MUSEUMS, HISTORY, INSERVICE PROGRAMS.

ES 001 072
CONCRETE ROOTS. N.Y., BROOKLYN, BD. OF ED. CITY OF NEW YORK.
EDRS PRICE MF-$0.25 HC-$1.04 26P.

DESCRIPTORS- *COMMUNICATION SKILLS, *CULTURAL BACKGROUND, *FINE ARTS, *GRADES 1-6, *GRADES 7-12, *MATHEMATICS, *SCHOOL COMMUNITY COOPERATION, *SPACE SCIENCES, ART, LANGUAGE ARTS, LANGUAGE HANDICAPS, MINORITY GROUPS, MUSIC, PARENT PARTICIPATION, SELF CONCEPT.

# SCIENCE EDUCATION REPORTS
# *IN*
# *RESEARCH IN EDUCATION*

ED 010 002
SCIENTIFIC LITERACY IN THE AEROSPACE AGE.
PELLA, MILTON O. AND OTHERS
UNIV. OF WISCONSIN, MADISON.
EDRS PRICE MF-$0.75 HC-$7.56 189P.
PUB DATE JAN 66
DESCRIPTORS- *CITIZENSHIP RESPONSIBILITY, *LITERACY, *SCIENCE EDUCATION, *SCIENTIFIC ATTITUDES, *SCIENTIFIC CONCEPTS, COLLEGES, ELEMENTARY SCHOOLS, LITERATURE GUIDES, MADISON, SECONDARY SCHOOLS, WISCONSIN.

ED 010 025
THE REPRESENTATIONAL ROLE OF DEMONSTRATIONS IN TEACHING CONCEPTS AND PRINCIPLES IN SCIENCE, STUDIES IN TELEVISED INSTRUCTION, AND DIMENSIONS OF VISUAL REPRESENTATION.
GROPPER, GEORGE L. AND OTHERS
METROPOLITAN PITTSBURGH EDUCATIONAL TV. STATION.
EDRS PRICE MF-$0.75 HC-$6.60 165P.
DESCRIPTORS- *CONCEPT TEACHING, *DEMONSTRATION PROGRAMS, *INSTRUCTIONAL IMPROVEMENT, *SCIENCE INSTRUCTION, *TELEVISED INSTRUCTION, PENNSYLVANIA, PERCEPTION, PITTSBURGH, TEACHING TECHNIQUES.

ED 010 081
AN EXPERIMENTAL STUDY IN THE USE OF PROGRAMED MATERIALS FOR SEVENTH-GRADE OPEN-ENDED LABORATORY EXPERIENCES.
CARNES, PHYLLIS E.
UNIV. OF GEORGIA, ATHENS.
EDRS PRICE MF-$0.00 HC-$8.48 227P.
PUB DATE 66
DESCRIPTORS- *EFFECTIVE TEACHING, GENERAL SCIENCE, *PROBLEM SOLVING, *PROGRAMED INSTRUCTION, *SCIENCE LABORATORY, ATHENS, EDUCATIONAL EXPERIENCES, GEORGIA, INSTRUCTIONAL TECHNOLOGY, GRADE 7.

ED 010 089
INFLUENCES ON STUDENTS UNDERSTANDING OF SCIENCE.
CRUMB, GLENN H. ABEGG, GERALD L.
KANSAS STATE TEACHERS COLLEGE, EMPORIA.
EDRS PRICE MF-$0.50 HC-$3.52 88P.
PUB DATE 31 MAY 66
DESCRIPTORS- *CHEMISTRY, *PHYSICS INSTRUCTION, *SCIENCE CURRICULUM, *SCIENCE INSTRUCTION, *TEACHING METHODS. EMPORIA, IOWA, IOWA, TEST OF EDUCATIONAL DEVELOPMENT SCIENCE TEST, KANSAS, MISSOURI, NEBRASKA, OTIS QUICK SCORING MENTAL ABILITIES TEST, PHYSICS CURRICULUM, SCIENCE COURSES, SCIENCE EDUCATION, TEACHER EVALUATION, THE TEST ON UNDERSTANDING SCIENCE (TOUS).

ED 010 099
TECHNIQUES FOR EVALUATING THE LEARNING PROCESS IN ENGINEERING EDUCATION.
KORN, HAROLD A. WISE, LAURESS L.
STANFORD UNIV., CALIFORNIA.
EDRS PRICE MF-$0.50 HC-$3.04 76P.
PUB DATE 66
DESCRIPTORS- *ACADEMIC APTITUDE, *ACADEMIC PERFORMANCE, *ENGINEERING, *GRADE POINT AVERAGE, *GRADING, CALIFORNIA, CURRICULUM PLANNING, HIGHER EDUCATION, INNOVATIONS, LEARNING PROCESSES, STANFORD.

ED 010 292
EFFECT OF VARIED PRESENTATIONS OF LABORATORY EXERCISES WITHIN PROGRAMED MATERIALS ON SPECIFIC INTELLECTUAL FACTORS OF SCIENCE PROBLEM SOLVING BEHAVIOR.
NASCA, DONALD
STATE UNIV. OF NEW YORK
EDRS PRICE MF-$0.50 HC-$2.92 73P.
PUB DATE 31 DEC 65
DESCRIPTORS- *MOTIVATION, *PROBLEM SOLVING, *PROGRAMED INSTRUCTION, *SCIENCE EDUCATION, *TEST CONSTRUCTION, BROCKPORT, JUNIOR HIGH SCHOOLS, LEARNING LABORATORIES, LINEAR PROGRAMING, NEW YORK, PRODUCTIVE THINKING, SCIENCE LABORATORIES, STIMULUS BEHAVIOR, STRUCTURE OF INTELLECT (SI).

ED 010 338
AN INVENTORY OF SCIENCE METHODS.
BUTTS, DAVID P.
UNIV. OF TEXAS, AUSTIN.
EDRS PRICE MF-$0.50 HC-$3,24 81P.
PUB DATE AUG 26
DESCRIPTORS- *ELEMENTARY SCHOOL STUDENTS, *PROBLEM SOLVING, *SCIENCE EDUCATION, *STUDENT BEHAVIOR, AUSTIN, MEASUREMENT INSTRUMENTS, PSYCHOMETRICS, QUESTIONING TECHNIQUES, TAB SCIENCE TEST, TEXAS.

ED 010 377
INDIVIDUAL DIFFERENCES IN LEARNING FROM VISUAL AND VERBAL PRESENTATIONS AND THE USE OF VISUAL EXAMPLES IN REVIEW.
GAGNE, ROBERT M. AND OTHERS
AMERICAN INSTITUTES FOR RES. IN BEHAVIORAL SCIENCES.
EDRS PRICE MF-$0.50 HC-$4.96 124P.
PUB DATE DEC 65
DESCRIPTORS- *INSTRUCTIONAL MATERIALS, *LEARNING PROCESSES, *SCIENCE INSTRUCTION, *VERBAL LEARNING, *VISUAL LEARNING, APTITUDE, AUDIOVISUAL AIDS, GRADE 8, INDIVIDUAL DIFFERENCES, INSTRUCTIONAL FILMS, PENNSYLVANIA, PITTSBURGH, TEACHING METHODS.

ED 010 421
MOTIVATION AND LEARNING—A COMPARATIVE STUDY OF PROGRAMS PRESENTED BY VIDEO TAPE WITH AND WITHOUT MOTIVATING MATERIALS.
ALDRIDGE, BILL G.
ST. LOUIS JR. COLL. DIST. FLORISSANT VALLEY COMM. COLL.
EDRS PRICE MF-$0.25 HC-$2.16 54P.
PUB DATE NOV 66
DESCRIPTORS- *ACHIEVEMENT RATING, *LEARNING MOTIVATION, *MOTIVATION TECHNIQUES, *PHYSICS INSTRUCTION, *TELEVISED INSTRUCTION, LEARNING ACTIVITIES, MISSOURI, PROGRAMED MATERIALS, ST. LOUIS, TELECOURSES, VIDEO TAPE RECORDINGS.

ED 010 433
AN EIGHT WEEK SUMMER INSTITUTE TRAINING PROGRAM TO TRAIN INSTRUCTORS OF INSTRUMENTATION TECHNOLOGY.
ZIOL, FRANK J.
PASADENA CITY COLL., CALIF.
EDRS PRICE MF-$0.25 HC-$1.44 36P.
PUB DATE 1 DEC 66
DESCRIPTORS- *INSTITUTE TYPE COURSES, *INSTRUMENTATION, *SCIENCE PROGRAMS, *TEACHER EDUCATION, *VOCATIONAL EDUCATION, CALIFORNIA, INSTRUCTIONAL IMPROVEMENT, PASADENA, SUMMER PROGRAMS, TRAINING.

ED 010 565
THE ORGANIZATION OF A BIOLOGY COURSE FOR INDIVIDUAL PROGRESS AT THEODORE HIGH SCHOOL AN INTRODUCTION.
BRATTEN, JACK E.
SYSTEM DEVELOPMENT CORP., SANTA MONICA, CALIF.
EDRS PRICE MF-$0.25 HC-$0.52 13P.
PUB DATE 7 DEC 65
DESCRIPTORS- *BIOLOGY INSTRUCTION, *HIGH SCHOOL ORGANIZATION, *INDIVIDUALIZED PROGRAMS, *INSTRUCTIONAL INNOVATION, *SIMULATION, *SYSTEMS ANALYSIS, ALABAMA, CALIFORNIA, HIGH SCHOOLS, PROGRAMED INSTRUCTION, SANTA MONICA.

ED 010 566
THE ORGANIZATION OF A BIOLOGY COURSE FOR INDIVIDUAL PROGRESS AT THEODORE HIGH SCHOOL-DESCRIPTIVE ANALYSIS.
BRATTEN J. E.
SYSTEM DEVELOPMENT CORP., SANTA MONICA, CALIFORNIA.
EDRS PRICE MF-$0.25 HC-$0.84 21P.
PUB DATE 9 DEC 65
DESCRIPTORS- *BIOLOGY INSTRUCTION, *INDIVIDUALIZED PROGRAMS, *INSTRUCTIONAL INNOVATION, *PROGRAMED INSTRUCTION, *SYSTEMS ANALYSIS, ALABAMA, CALIFORNIA, HIGH SCHOOLS, SIMULATION.

ED 010 567
THE ORGANIZATION OF A COURSE FOR INDIVIDUAL PROGRESS AT THEODORE HIGH SCHOOL-SYSTEM ANALYSIS AND SIMULATION.
BRATTEN, JACK E.
SYSTEM DEVELOPMENT CORP., SANTA MONICA, CALIFORNIA.
EDRS PRICE MF-$0.25 HC-$1.68 43P.
PUB DATE 15 MAR 66
DESCRIPTORS- *BIOLOGY INSTRUCTION, *COURSE ORGANIZATION, *HIGH SCHOOL ORGANIZATION, *INDIVIDUAL INSTRUCTION, *SIMULATION, *SYSTEMS ANALYSIS, CALIFORNIA, COMPUTER ORIENTED PROGRAMS, INSTRUCTIONAL MATERIALS, LABORATORY SCHOOLS, SANTA MONICA, TEACHING METHODS.

ED 010 608
TO DEVELOP A SYSTEM FOR ANALYSING THE REACTIONS OF TEACHERS AND STUDENTS IN BIOLOGY CLASSES.
PARAKH, JAL S.
CORNELL UNIVERSITY, ITHACA, NEW YORK.
EDRS PRICE MF-$1.00 HC-$8.00 200P.
PUB DATE 65
DESCRIPTORS- *BIOLOGY, *BIGLOGY INSTRUCTION, *INTERACTION, *INTERACTION PROCESS ANALYSIS, *SCIENCE INSTRUCTION, ITHACA, NEW YORK, SCIENCE EDUCATION, SYSTEMS ANALYSIS, SYSTEMS APPROACH, SYSTEMS DEVELOPMENT.

ED 010 632
A COMPARISON OF VARIOUS TECHNIQUES FOR THE DISSEMINATION OF A NEW SCIENCE CURRICULUM IN FLORIDA.
WESTMEYER, PAUL AND OTHERS
FLORIDA STATE UNIV., TALLAHASSEE.
EDRS PRICE MF-$0.75 HC-$6.00 150P.
PUB DATE MAR 67
DESCRIPTORS- *EFFECTIVE TEACHING, *INSERVICE COURSES, *PRIMARY EDUCATION, *SCIENCE CURRICULUM, *TEACHER EDUCATION, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, TALLAHASSEE, AUTOINSTRUCTIONAL METHODS, COMPARATIVE ANALYSIS, FLORIDA, INFORMATION DISSEMINATION, INSERVICE TEACHER EDUCATION, INSTITUTE TYPE COURSES, KINDERGARTEN, SCIENCE INSTRUCTION.

ED 010 645
STUDY OF CHARACTERISTICS CONTRIBUTING TO THE EFFECTIVENESS OF VISUAL DEMONSTRATIONS.
BOGUSLAVSKY, GEORGE W.
RENNSSELAER POLYTECHNIC INST., TROY, NEW YORK.
EDRS PRICE MF-$0.25 HC-$1.12 28P.
PUB DATE 4 APR 67
DESCRIPTORS- *AUDIOVISUAL AIDS, *GRAPHIC ARTS, *ILLUSTRATIONS, *SCIENCE INSTRUCTION, *VISUAL LEARNING, AUDIOVISUAL INSTRUCTION, COLLEGE STUDENTS, FILMS, HIGH SCHOOL STUDENTS, NEW YORK, SCIENCE COURSES, TROY, VISUAL PERCEPTION.

ED 010 748
ENGLISH AS A SECOND LANGUAGE AND A TECHNIQUE FOR TEACHING SCIENCE.
SMITH, PHILIP D. MAREAN, JOHN H.

NEVADA STATE DEPT. OF EDUCATION, CARSON CITY.
EDRS PRICE MF-$0.25 HC-$0.84 21P.
PUB DATE 66

DESCRIPTORS- *AMERICAN INDIANS, *ENGLISH (SECOND LANGUAGE), *SCIENCE EDUCATION, *VOCABULARY DEVELOPMENT, CARSON CITY, LANGUAGE FLUENCY, LEARNING THEORIES, PHONOLOGY.

ED 010 756
THE READABILITY OF SCIENCE TEXTBOOKS FOR ELEMENTARY SCHOOL.
NEWPORT, JOHN F.
EDRS PRICE MF-$0.25 HC-$0.24 6P.
PUB DATE OCT 65

DESCRIPTORS- *ELEMENTARY SCIENCE, *READABILITY, *READING DIFFICULTY, *TEXTBOOK EVALUATION, INSTRUCTIONAL MATERIALS, SPACE FORMULA, YOAKAM FORMULA.

ED 010 761
REPORT OF THE INTERNATIONAL CLEARINGHOUSE ON SCIENCE AND MATHEMATICS CURRICULAR DEVELOPMENTS 1966.
LOCKARD, J. DAVID
MARYLAND UNIV., COLLEGE PARK, AMERICAN ASSN. FOR THE ADVANCEMENT OF SCIENCE.
EDRS PRICE MF-$1.25 HC-$12.48 312P.
PUB DATE 66

DESCRIPTORS- *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *MATHEMATICS EDUCATION, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, BIBLIOGRAPHIES, COLLEGE PARK, DISTRICT OF COLUMBIA, NATIONAL SCIENCE FOUNDATION.

ED 010 762
THE STATUS OF PHYSICS TEACHING IN NORTH CAROLINA.
ANDERSON, NORMAN D. GOODE, JOHN M.
NORTH CAROLINA UNIV., RALEIGH, N.C. STATE UNIV., NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH.
EDRS PRICE MF-$0.25 HC-$0.48 12P.
PUB DATE 28 DEC 65

DESCRIPTORS- *PHYSICS, *PHYSICS TEACHERS, *SECONDARY SCHOOL SCIENCE, *TEACHER EDUCATION, *TEACHER QUALIFICATIONS, CHAPEL HILL, COLLEGE SCIENCE, RALEIGH.

ED 010 763
A STUDY OF LARGE GROUP-SMALL GROUP INSTRUCTION IN REGENTS CHEMISTRY COMPARED TO CONVENTIONAL INSTRUCTION.
WINTER, STEPHEN S. AND OTHERS
STATE UNIV., N.Y.
EDRS PRICE MF-$0.50 HC-$5.12 128P.
PUB DATE APR 65

DESCRIPTORS- *CHEMISTRY, *LARGE GROUP INSTRUCTION, *SECONDARY SCHOOL SCIENCE, *SMALL GROUP INSTRUCTION, ACHIEVEMENT, BUFFALO, CONVENTIONAL INSTRUCTION, ROCHESTER.

ED 010 764
THE COMPUTER IN PHYSICS INSTRUCTION, REPORT OF THE CONFERENCE ON USES OF THE COMPUTER IN UNDER-GRADUATE PHYSICS INSTRUCTION (UNIV., OF CALIF., IRVINE, NOVEMBER 4-6, 1966).
COMMISSION ON COLLEGE PHYSICS, ANN ARBOR, MICHIGAN.
EDRS PRICE MF-$0.50 HC-$3.88 97P.
PUB DATE 65

DESCRIPTORS- *COLLEGE SCIENCE, *COMPUTER ASSISTED INSTRUCTION, *PHYSICS, ANN ARBOR, CONFERENCES, INSTRUCTION, IRVINE, LEARNING.

ED 010 765
INTEGRATED EXPERIENCE APPROACH TO LEARNING.
POSTLETHWAIT, S.N. AND OTHERS
PURDUE UNIV., LAFAYETTE, IND.
EDRS PRICE MF-$0.50 HC-$4.96 124P.
PUB DATE 64

DESCRIPTORS- *AUTOINSTRUCTIONAL AIDS, *BOTANY, *COLLEGE SCIENCE, *INSTRUCTION, *LEARNING, AUDIOVISUAL AIDS, BIOLOGY, INSTRUCTIONAL MATERIALS, LAFAYETTE, PROGRAMED INSTRUCTION.

ED 010 766
THE DEVELOPMENT AND TESTING OF INSTRUCTIONAL MATERIALS FOR GIFTED PRIMARY PUPILS, FINAL REPORT.
SANDS, THEODORE HICKLIN, CHARLES R.
ILLINOIS STATE UNIVERSITY, NORMAL
EDRS PRICE MF-$0.50 HC-$2.76 69P.
PUB DATE 65

DESCRIPTORS- *ELEMENTARY SCHOOL SCIENCE, *INDIVIDUAL INSTRUCTION, *INSTRUCTION, *PROGRAMED INSTRUCTION, ABLE STUDENTS, AUDIOVISUAL INSTRUCTION, MATHEMATICS EDUCATION, NORMAL, PHYSICAL SCIENCES, PRIMARY EDUCATION.

ED 010 767
VIEWPOINTS ON UNDERGRADUATE COLLEGE SCIENCE PROGRAMS.
EISS, ALBERT F.
NATIONAL SCIENCE TEACHERS ASSN., WASHINGTON, D.C.
EDRS PRICE MF-$0.50 HC-$3.36 84P.
PUB DATE 66

DESCRIPTORS- *BIOLOGY, *CHEMISTRY, *COLLEGE SCIENCE, *HIGHER EDUCATION, *PHYSICAL SCIENCES, *TEACHER EDUCATION, DISTRICT OF COLUMBIA, GENERAL EDUCATION, SHELL COMPANIES FOUNDATION, SPEECHES.

ED 010 768
THE STATUS OF SCIENCE IN THE PUBLIC SCHOOLS OF IOWA. PART III, SENIOR HIGH SCHOOLS
PORTER, T.R. AND OTHERS
IOWA UNIV., IOWA CITY
EDRS PRICE MF-$0.25 HC-$2.16 54P.
PUB DATE 66

DESCRIPTORS- *COURSE CONTENT, *EVALUATION, *SECONDARY SCHOOL SCIENCE, BIOLOGICAL SCI-

ENCES CURRICULUM STUDY, BIOLOGY, CHEMICAL BOND APPROACH, CHEMICAL EDUCATION MATERIALS STUDY, CHEMISTRY, CURRICULUM DEVELOPMENT, DES MOINES, EARTH SCIENCE, GENERAL SCIENCE, INSERVICE TEACHER EDUCATION, IOWA CITY, PHYSICAL SCIENCE STUDY COMMITTEE, PHYSICS, TEACHER QUALIFICATIONS, TEACHING PROCEDURES.

ED 010 769
THE STATUS OF SCIENCE IN THE PUBLIC SCHOOLS OF IOWA. PART II, JUNIOR HIGH SCHOOL.
PORTER, T. R. AND OTHERS
IOWA UNIV., IOWA CITY
EDRS PRICE MF-$0.25 HC-$1.72 43P.
PUB DATE 65

DESCRIPTORS- *COURSE CONTENT, *CURRICULUM DEVELOPMENT, *EVALUATION, *SECONDARY SCHOOL SCIENCE, BIOLOGY, DES MOINES, GENERAL SCIENCE, GRADE 7, GRADE 8, GRADE 9, INSERVICE TEACHER EDUCATION, IOWA CITY, PHYSICAL SCIENCES, TEACHER QUALIFICATIONS, TEACHING PROCEDURES.

ED 010 770
THE STATUS OF SCIENCE IN THE PUBLIC SCHOOLS OF IOWA, PART I, ELEMENTARY SCHOOL.
PORTER, T.R. AND OTHERS
IOWA UNIV., IOWA CITY,
EDRS PRICE MF-$0.25 HC-$1.48 37P.
PUB DATE 64

DESCRIPTORS- *COURSE CONTENT, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *EVALUATION, DES MOINES, INSERVICE TEACHER EDUCATION, IOWA CITY, TEACHER QUALIFICATIONS, TEACHING PROCEDURES.

ED 010 802
ELEMENTARY QUANTITATIVE CHEMISTRY, A LABORATORY TEXT.
GILREATH, ESMARCH S. AND OTHERS
WASHINGTON AND LEE UNIV., LEXINGTON, VA.
EDRS PRICE MF$0.75 HC-$5.60 140P.
PUB DATE 66

DESCRIPTORS- *CHEMISTRY, *INSTRUCTIONAL MATERIALS, *LABORATORY EXPERIMENTS, *MANUALS, *TEXTBOOK EVALUATION, ACADEMIC PERFORMANCE, COLLEGE STUDENTS, COURSE ORGANIZATION, INNOVATION, LEXINGTON, SCIENCE LABORATORIES, TEXTBOOK PREPARATION.

ED 010 819
TWENTIETH CENTURY LYRICS. SCIENCE AND POETRY. LITERATURE CURRICULUM IV, STUDENT VERSION.
KITZHABER, ALBERT R.
OREGON UNIV., EUGENE.
EDRS PRICE MF-$0.50 HC-$2.36 59P.

DESCRIPTORS- *CURRICULUM GUIDES, *LITERATURE GUIDES, *POETRY, *SCIENCE, *STUDY GUIDES, COMPOSITION (LITERARY), CURRICULUM RESEARCH, ENGLISH CURRICULUM, EUGENE, GRADE 10, INSTRUCTIONAL MATERIALS, LITERATURE, NEW GRAMMAR, PROJECT ENGLISH, SECONDARY EDUCATION.

ED 010 990
THE USE OF INSERVICE PROGRAMS TO DIAGNOSE SOURCES OF RESISTANCE TO INNOVATION.
ROWE, MARY BUDD HURD, PAUL DEHART.
EDRS PRICE MF-$0.25 HC-$0.68 17P.
PUB DATE 66

DESCRIPTORS- *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *INSERVICE TEACHER EDUCATION, *BIOLOGY, INNOVATION, INSERVICE PROGRAMS, PHYSICAL SCIENCES.

ED 010 991
BIOLOGICAL EDUCATION IN AMERICAN SECONDARY SCHOOLS 1890-1960.
HURD, PAUL DEHART
AMERICAN INST. OF BIOLOGICAL SCIENCES.
EDRS PRICE MF-$1.25 HC-$10.76 269P.
PUB DATE 1 FEB 61

DESCRIPTORS- *BIOLOGY, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES, CURRICULUM STUDY, COURSE CONTENT, CURRICULUM, DISTRICT OF COLUMBIA, EDUCATIONAL OBJECTIVES, HISTORY, NATIONAL SCIENCE FOUNDATION, TEACHING METHODS, TEXTBOOKS, BIOLOGICAL SCIENCES.

ED 010 993
COOPERATIVE DEVELOPMENT OF LOCALLY ORIENTED ACHIEVEMENT TESTS IN CHEMISTRY.
SCHMITT, J.A. AND OTHERS
EDRS PRICE MF-$0.25 HC-$0.44 11P.
PUB DATE 66

DESCRIPTORS- *ACHIEVEMENT TESTS, *CHEMISTRY, *COGNITIVE DEVELOPMENT, *SECONDARY SCHOOL SCIENCE, *STUDENT EVALUATION, CHEMISTRY REGENTS EXAMINATION, EVALUATION, NEW YORK, TEST CONSTRUCTION.

ED 010 994
A STUDY OF SMALL GROUP DYNAMICS AND PRODUCTIVITY IN THE BSCS LABORATORY BLOCK PROGRAM.
HURD, PAUL DEHART ROWE, MARY BUDD
EDRS PRICE MF-$0.25 HC-$0.44 11P.
PUB DATE 66

DESCRIPTORS- *BIOLOGY, *GROUP DYNAMICS, *SECONDARY SCHOOL SCIENCE, *SMALL GROUP INSTRUCTION, ACADEMIC ACHIEVEMENT, BIOLOGICAL SCIENCES CURRICULUM STUDY, BIOLOGICAL SCIENCES CURRICULUM STUDY LABORATORY BLOCKS.

ED 010 995
INQUIRY TRAINING AND PROBLEM SOLVING IN ELEMENTARY SCHOOL CHILDREN.
BUTTS, DAVID P. JONES, HOWARD L.
EDRS PRICE MF-$0.25 HC-$0.48 12P.
PUB DATE 66

GPO 808-827-3

DESCRIPTORS- *CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, *INSTRUCTION, *PHYSICAL SCIENCES, *PROBLEM SOLVING, COGNITIVE DEVELOPMENT, QUESTIONING TECHNIQUES.

ED 010 996
RIGIDITY IN CHILDREN'S PROBLEM SOLVING.
CUNNINGHAM, JOHN D.
EDRS PRICE MF-$0.25 HC-$0.68 17P.
PUB DATE APR. 66

DESCRIPTORS- *COGNITIVE DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *MENTAL RIGIDITY, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING, SCIENCE CURRICULUM IMPROVEMENT STUDY.

ED 010 997
BIBLIOGRAPHY OF SCIENCE COURSES OF STUDY AND TEXTBOOKS FOR GRADES 7-12.
NATIONAL SCIENCE TEACHERS ASSN., WASHINGTON, D.C.
EDRS PRICE MF-$0.25 HC-$1.80 45P.
PUB DATE 66

DESCRIPTORS- *BIBLIOGRAPHIES, *COURSES, *SECONDARY SCHOOL SCIENCE, *TEXTBOOKS, BIOLOGY, CHEMISTRY, DISTRICT OF COLUMBIA, GENERAL SCIENCE, NATIONAL EDUCATION ASSOCIATION, NATIONAL SCIENCE TEACHERS ASSOCIATION, NATURAL SCIENCES, PHYSICAL SCIENCES, PHYSICS.

ED 010 998
CONCEPT DEVELOPMENT MATERIALS FOR GIFTED ELEMENTARY PUPILS-FINAL REPORT OF FIELD TESTING.
SANDS, THEODORE AND OTHERS
ILLINOIS STATE UNIV., NORMAL.
EDRS PRICE MF-$0.25 HC-$2.00 50P.
PUB DATE 66

DESCRIPTORS- *ABLE STUDENTS, *CONCEPT FORMATION, *ELEMENTARY SCHOOL SCIENCE, CURRICULUM DEVELOPMENT, GRADE PLACEMENT. INDEPENDENT STUDY, READING ABILITY, RESEARCH REPORTS.

ED 010 999
SCIENCE EDUCATION IN THE JUNIOR COLLEGE, PROBLEMS AND PRACTICES.
EISS, ALBERT F.
NATIONAL SCIENCE TEACHERS ASSN., WASHINGTON, D.C.
EDRS PRICE MF-$0.50 HC-$2.52 63P.
PUB DATE 66

DESCRIPTORS- *COLLEGE SCIENCE, *CONFERENCES, *GENERAL EDUCATION SCIENCE, *SCIENCE EDUCATION, *SCIENCE INSTRUCTION, *VOCATIONAL EDUCATION, BIOLOGY, COMMISSION ON THE EDUCATION OF TEACHERS OF SCIENCE, DISTRICT OF COLUMBIA, JUNIOR COLLEGES, NATIONAL SCIENCE TEACHERS ASSOCIATION, PHYSICAL SCIENCES, REPORTS, SPACE SCIENCE, TEACHER RESOURCE MATERIALS.

ED 011 000
THEORY INTO ACTION . . . IN SCIENCE CURRICULUM DEVELOPMENT.
NATIONAL SCIENCE TEACHERS ASSN., WASHINGTON, D.C.
EDRS PRICE MF-$0.25 HC-$2.08 52P.
PUB DATE 64

DESCRIPTORS- *CONCEPTUAL SCHEMES, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, SCIENTIFIC LITERACY, *SCIENTIFIC METHODOLOGY, *SECONDARY SCHOOL SCIENCE, CONCEPT FORMATION, DISTRICT OF COLUMBIA, TEACHING METHODS.

ED 011 001
GUIDELINES FOR DEVELOPMENT OF PROGRAMS IN SCIENCE INSTRUCTION, REPORT OF A STUDY, MAKING SPECIFIC REFERENCE TO THE TEACHING FUNCTION OF THE LABORATORY IN SECONDARY SCHOOL SCIENCE PROGRAM.
NATIONAL ACADEMY OF SCIENCES- NATIONAL RES. COUNCIL.
EDRS PRICE MF-$0.50 HC-$3.16 79P.
PUB DATE MAY 63

DESCRIPTORS- *CURRICULUM DEVELOPMENT, *LABORATORY ACTIVITIES, *LEARNING THEORIES, *SECONDARY SCHOOL SCIENCE, *TEACHER EDUCATION, BIOLOGICAL SCIENCES CURRICULUM STUDY (BSCS), BIOLOGY, CHEMICAL BOND APPROACH (CBA), CHEMICAL EDUCATION MATERIALS STUDY (CHEMS), CHEMISTRY, DISTRICT OF COLUMBIA, FILMS, PHYSICAL SCIENCE STUDY COMMITTEE (PSSC), PHYSICS, SCIENCE FACILITIES.

ED 011 002
TEACHING HIGH SCHOOL BIOLOGY-A GUIDE TO WORKING WITH POTENTIAL BIOLOGISTS.
BRANDWEIN, PAUL F. AND OTHERS
AMERICAN INST. OF BIOLOGICAL SCIENCES.
EDRS PRICE MF-$0.50 HC-$5.08 127P.
PUB DATE 62

DESCRIPTORS- *ABLE STUDENTS, *BIOLOGY, *SECONDARY SCHOOL SCIENCE, *STUDENT RESEARCH, *TEACHING METHODS, BIBLIOGRAPHIES, DISTRICT OF COLUMBIA, NATURAL SCIENCES, STUDENT PROJECTS, TEACHING TECHNIQUES.

ED 011 064
DIFFERENCES IN AIMS OF HIGH SCHOOL AND COLLEGE TEACHERS OF CHEMISTRY,
D'AGOSTINO, BROTHER C. JOSEPH
NEW YORK UNIV., N.Y., SCH. OF EDUCATION.
EDRS PRICE MF-$1.00 HC-$8.44 211P.
PUB DATE 66

DESCRIPTORS- *CHEMISTRY TEACHERS, *COLLEGE STUDENTS, *COLLEGE TEACHERS, *COMMUNICATION PROBLEMS, *SECONDARY SCHOOL TEACHERS, FACTOR ANALYSIS, NEW YORK CITY, QUESTIONNAIRES.

ED 011 155
LABORATORY METHODS IN PHYSICS FOR THE BLIND,
HENDERSON, DAVID RAY
PITTSBURGH UNIV., PA.
EDRS PRICE MF-$0.50 HC-$3.08 77P.
PUB DATE 65

DESCRIPTORS- *BLIND, *LABORATORIES, *PHYSICS INSTRUCTION, *TACTILE ADAPTATION, PHYSICS CURRICULUM, PITTSBURGH, RAISED LINE DRAWINGS, SENSORY AIDS.

ED 011 212
CURRICULUM GUIDE IN CONSERVATION EDUCATION.
HERRINGTON, EUGENE H. ROBBINS, LARRY
COLORADO STATE DEPT. OF EDUCATION,
COLORADO STATE DEPT OF GAME, FISH AND PARKS, DENVER
EDRS PRICE MF-$0.50 HC-$3.48 87P.
PUB DATE APR. 64

DESCRIPTORS- *CLASS ACTIVITIES, *CONSERVATION EDUCATION, *CURRICULUM GUIDES, *GENERAL SCIENCE, *NATURAL RESOURCES, AGRICULTURAL TRENDS, BIOLOGY, DEMONSTRATION PROJECTS, DENVER, HUMAN RESOURCES, INTERMEDIATE GRADES, JUNIOR HIGH SCHOOLS, LAND USE, PRIMARY GRADES, WATER RESOURCES.

ED 011 232
BACKGROUND FACTORS AND SUCCESS IN COLLEGE
EDRS PRICE MF-$0.25 HC-$0.36 9P.
PUB DATE 66

DESCRIPTORS- *ACADEMIC ACHIEVEMENT, COLLEGE SCIENCE, STUDENT CHARACTERISTICS, ACHIEVEMENT, PHYSICAL SCIENCE STUDY COMMITTEE., *SECONDARY SCHOOL SCIENCE, *PHYSICS

ED 011 233
SCIENCE ACHIEVEMENT AS IT RELATES TO SCIENCE CURRICULA AND PROGRAMS AT THE SIXTH GRADE LEVEL IN MONTANA PUBLIC SCHOOLS.
SWAN, MALCOLM D.
EDRS PRICE MF-$0.25 HC-$0.60 15P.
PUB DATE JUN 66

DESCRIPTORS- *ACADEMIC ACHIEVEMENT, *ELEMENTARY SCHOOL SCIENCE, *EVALUATION, *GRADE 6, *LEARNING, *PROGRAM EVALUATION, CURRICULUM DEVELOPMENT, MONTANA.

ED 011 234
ASSESSING THE PROGRESS OF EDUCATION IN SCIENCE,
TYLER, RALPH W.
EDRS PRICE MF$0.25 HC-$0.32 8P.
PUB DATE SEP 66

DESCRIPTORS- *EDUCATIONAL OBJECTIVES, *EVALUATION, *SCIENCE EDUCATION, *SCIENTIFIC LITERACY, ADULT EDUCATION, ATTITUDES, COLLEGE SCIENCE, ELEMENTARY SCHOOL SCIENCE, SCIENTIFIC ATTITUDES, SECONDARY SCHOOL SCIENCE.

ED 011 235
THREE EMPHASES IN TEACHING BIOLOGY-A STATISTICAL COMPARISON OF RESULTS.
YAGER, ROBERT E. WICK, JOHN W.
EDRS PRICE MF-$0.25 HC-$0.36 9P.
PUB DATE MAR 66

DESCRIPTORS- *BIOLOGY, *COGNITIVE DEVELOPMENT, *CRITICAL THINKING, *SECONDARY SCHOOL SCIENCE, *TEACHING METHODS, BIOLOGICAL SCIENCES CURRICULUM STUDY, GRADE 8, INSTRUCTION, TEAM TEACHING.

ED 011 236
THE RELATIONSHIP OF THREE FACTORS IN PRINTED MATERIALS TO STUDENT ACHIEVEMENT.
EATON, EDWARD J.
EDRS PRICE MF-$0.25 HC-$0.52 13P.
PUB DATE MAR 66

DESCRIPTORS- *ACADEMIC ACHIEVEMENT, *ASTRONOMY, *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *STUDENT ATTITUDES, ELEMENTARY SCHOOL SCIENCE PROJECT, EVALUATION, FLORIDA, GRADE 6, INSTRUCTIONAL MATERIALS.

ED 011 237
BIBLIOGRAPHY OF SCIENCE COURSES OF STUDY AND TEXTBOOKS GRADES 1-9, 1966 EDITION, NATIONAL SCIENCE TEACHERS ASSN., WASHINGTON, D.C.
EDRS PRICE MF-$0.25 HC-$1.72 43P.
PUB DATE 66

DESCRIPTORS- *ELEMENTARY SCHOOL SCIENCE, *SCIENCE COURSES, *SECONDARY SCHOOL SCIENCE, *TEXTBOOKS, BIBLIOGRAPHIES, BIOLOGY, CHEMISTRY, COMPUTER SCIENCE, DISTRICT OF COLUMBIA, GENERAL SCIENCE, NATIONAL EDUCATION ASSOCIATION, NATIONAL SCIENCE TEACHERS ASSOCIATION, PHYSICAL SCIENCES, PHYSICS, PROGRAMED INSTRUCTION, REFERENCE BOOKS.

ED 011 238
HOW WELL IS SSTP ACHIEVING ITS PURPOSES.
EDGERTON, HAROLD A.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.50 HC-$2.84 71P.
PUB DATE APR 65

DESCRIPTORS- *ABLE STUDENTS, *PROGRAM EVALUATION, *SECONDARY SCHOOL SCIENCE, *STUDENT INTERESTS, COLLEGE SCIENCE, DISTRICT OF COLUMBIA, NATIONAL SCIENCE FOUNDATION, SCIENCE CAREERS, STUDENT CHARACTERISTICS, SUMMER SCIENCE PROGRAMS, SUMMER SCIENCE TRAINING PROGRAM.

ED 011 239
THE DIRECT TEACHING OF CRITICAL THINKING IN GRADES FOUR THROUGH SIX.
MASON, JOHN M.
EDRS PRICE MF-$0.25 HC-$0.56 14P.
PUB DATE DEC 63

DESCRIPTORS- *COGNITIVE DEVELOPMENT, *COGNITIVE PROCESSES, *CRITICAL THINKING, *ELEMENTARY SCHOOL SCIENCE, *PROBLEM SOLVING, DEARBORN, EAST LANSING, FLINT, GRADE 4, GRADE 5, GRADE 6, GROSSE POINTE, LANSING, MICHIGAN, PONTIAC.

ED 011 240
IDENTIFYING THE "SLOW LEARNER" IN BSCS HIGH SCHOOL BIOLOGY.
GROBMAN, HULDA.
EDRS PRICE MF-$0.25 HC-$0.52 13P.
PUB DATE MAR 65

DESCRIPTORS- *ACADEMIC ACHIEVEMENT, *BIOLOGY, *PROGRAM EVALUATION, *SECONDARY SCHOOL SCIENCE, *SLOW LEARNERS, BSCS BIOLOGY SPECIAL MATERIALS, BSCS GREEN VERSION, BSCS YELLOW VERSION, EVALUATION, GRADE 10, INSTRUCTION, INSTRUCTIONAL MATERIALS, SCIENCE COURSE IMPROVEMENT PROJECT.

ED 011 241
SELF-EVALUATION BY PHYSICAL SCIENCE INSTRUCTORS.
SIMPSON, RAY H.
EDRS PRICE MF-$0.25 HC-$0.44 11P.
PUB DATE

DESCRIPTORS- *COLLEGE SCIENCE, *EVALUATION, *PHYSICAL SCIENCES, *SELF EVALUATION, TEACHER IMPROVEMENT, EVALUATION METHODS, EVALUATION TECHNIQUES, TEACHER RATING.

ED 011 311
BIBLIOGRAPHY ON ACHIEVEMENT. SUPPLEMENT 1.
HARVARD UNIV., CAMBRIDGE, MASS.
EDRS PRICE MF $0.25 HC-$0.36 9P.
PUB DATE OCT 66

DESCRIPTORS- *ACADEMIC ACHIEVEMENT *ACHIEVEMENT, *BIBLIOGRAPHIES, *PROBABILITY, *UNDERACHIEVERS, CAMBRIDGE.

ED 011 476
OUR DESERT FRIENDS.
CROTZER, EMMETT H. AND OTHERS
NEVADA STATE DEPT. OF EDUCATION, CARSON CITY.
EDRS PRICE MF-$0.50 HC-$3.28 82P.
PUB DATE 64

DESCRIPTORS- *AMERICAN INDIANS, *BOTANY, *EDUCATIONAL RESOURCES, *ELEMENTARY GRADES, *FOLK CULTURE, BIOLOGY INSTRUCTION, CARSON CITY, CARSON INDIAN AGENCY, INSTRUCTIONAL MATERIALS, NEVADA INDIAN AGENCY.

ED 011 505
EIGHTH-GRADE EARTH SCIENCE, TEXTBOOK READABILITY AND OTHER FACTORS WHICH COULD INFLUENCE THE SUCCESS OF THE EIGHTH-GRADE EARTH SCIENCE COURSE IN THE TEXAS PUBLIC SCHOOLS.
KLINE, LOREN E., JR.
EAST TEXAS STATE UNIV., COMMERCE
EDRS PRICE MF-$1.25 HC-$11.16 279P.
PUB DATE AUG 66

DESCRIPTORS- *EARTH SCIENCE, *EVALUATION, *GRADE 8, *SECONDARY SCHOOL SCIENCE, COMMERCE, EARTH SCIENCE CURRICULUM PROJECT, READABILITY, SCIENCE EQUIPMENT, SCIENCE FACILITIES, TEACHER EDUCATION, TEXAS EDUCATION AGENCY.

ED 011 506
BSCS BIOLOGY-IMPLEMENTATION IN THE SCHOOLS.
GROBMAN, ARNOLD B. AND OTHERS
BIOLOGICAL SCIENCES CURRICULUM STUDY, BOULDER, COLO.
EDRS PRICE MF-$0.50 HC-$4.16 104P.
PUB DATE JUN 64

DESCRIPTORS - *BIOLOGY, *CURRICULUM DEVELOPMENT, *SCIENCE EQUIPMENT, *SCIENCE FACILITIES, *SECONDARY SCHOOL SCIENCE, BIOLOGICAL SCIENCES CURRICULUM STUDY (BSCS), BOULDER, NATIONAL DEFENSE EDUCATION ACT, SCIENCE COURSE IMPROVEMENT PROJECT, SCIENCE MATERIALS.

ED 011 507
EDUCATION AND THE SPIRIT OF SCIENCE.
COREY, ARTHUR F. AND OTHERS
NATIONAL EDUCATION ASSN., WASHINGTON, D.C.
EDRS PRICE MF-$0.25 HC-$1.36 34P.
PUB DATE 66

DESCRIPTORS- *EDUCATIONAL OBJECTIVES, *SCIENCE EDUCATION, DISTRICT OF COLUMBIA, EDUCATIONAL POLICIES COMMISSION, NATIONAL DEFENSE EDUCATION ACT, SOCIO ECONOMIC INFLUENCES.

ED 011 512
IMPROVING SCIENCE EDUCATION IN THE UNITED STATES.
GATEOOD, CLAUDE W. OBOURN, ELLSWORTH S.
EDRS PRICE MF-$0.25 HC-$1.96 49P.
PUB DATE DEC 63

DESCRIPTORS- *CURRICULUM DEVELOPMENT, *EQUIPMENT MANUFACTURERS, *FOUNDATION PROGRAMS, *SCIENCE EDUCATION HISTORY, *TEACHER EDUCATION, BIOLOGICAL SCIENCES CURRICULUM STUDY, CEYLON, CHEMICAL BOND APPROACH, COURSE CONTENT, EDUCATIONAL OBJECTIVES, INSERVICE TEACHER EDUCATION, INSTITUTES (TRAINING PROGRAMS), NATIONAL SCIENCE FOUNDATION, PHYSICAL SCIENCE STUDY COMMITTEE, SCIENCE EQUIPMENT, SCIENCE TEACHING CENTERS, SECONDARY SCHOOL SCIENCE.

ED 011 514
SCIENCE TEACHING IN THE PUBLIC JUNIOR HIGH SCHOOL.
ROGERS, LOLA ERIKSEN
OFFICE OF EDUCATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.50 HC NOT AVAILABLE, 70P.
PUB DATE 67

DESCRIPTORS- *SCHOOL ORGANIZATION, *SCIENCE TEACHERS, *SECONDARY SCHOOL SCIENCE, *STUDENT ENROLLMENT, DISTRICT OF COLUMBIA, GRADE 7, GRADE 8, GRADE 9, INSERVICE TEACHER EDUCATION, INSTRUCTIONAL MATERIALS, JUNIOR HIGH SCHOOLS, NDEA TITLE III, SCHOOL STATISTICS, SCIENCE CLUBS, SCIENCE CONSULTANTS, SCIENCE FAIRS.

ED 011 515
PLANNING FOR EXCELLENCE IN HIGH SCHOOL SCIENCE.
STOLLBERG, ROBERT AND OTHERS
NATIONAL SCIENCE TEACHERS ASSN., WASHINGTON, D.C.
EDRS PRICE MF-$0.50 HC-$3.04 76P.
PUB DATE 61
DESCRIPTORS- *CURRICULUM DEVELOPMENT, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, CONFERENCE REPORTS, DISTRICT OF COLUMBIA, EDUCATIONAL OBJECTIVES, EFFECTIVE TEACHING, SCIENCE AND SOCIETY, SCIENCE SUPERVISION, TEACHER EDUCATION.

ED 011 516
SUPERVISION FOR QUALITY EDUCATION IN SCIENCE, REPORT ON A CONFERENCE ARRANGED BY THE SPECIALISTS FOR SECONDARY SCIENCE (JUNE 25-29, 1962).
ALEXANDER, UHLMAN S.
OFFICE OF EDUCATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.75 HC NOT AVAILABLE, 178P.
PUB DATE 63
DESCRIPTORS- *CONFERENCE REPORTS, *NATURAL SCIENCE, *SCIENCE EDUCATION, *SCIENCE SUPERVISION, SUPERVISION, CURRICULUM DEVELOPMENT, DISTRICT OF COLUMBIA, EDUCATIONAL OBJECTIVES, SECONDARY SCHOOL SCIENCE.

ED 011 610
A CRITICAL EXAMINATION OF THE DEVELOPMENT OF SCIENCE CONCENTRATIONS IN THE TEACHER PREPARATION PROGRAM FOR THE PROSPECTIVE ELEMENTARY SCHOOL TEACHER AT THE UNIVERSITY OF TEXAS.
EATON, EDWARD J.
EDRS PRICE MF-$0.25 HC-$0.72 18P.
PUB DATE 66
DESCRIPTORS- *COLLEGE STUDENTS, *COUNSELING EFFECTIVENESS, *ELEMENTARY EDUCATION, *SCIENCE CAREERS, *STUDENT INTERESTS, AUSTIN, BIOLOGY, DATA COLLECTION, GEOLOGY, PROGRAM IMPROVEMENT, STATISTICAL ANALYSIS, STUDENT CHARACTERISTICS, TEACHER EDUCATION.

ED 011 781
THE NEED TO ESTABLISH A MARINE SCIENCES TECHNOLOGY PROGRAM AT SHORELINE COMMUNITY COLLEGE.
TEEL, WARD AND OTHERS
SHORELINE COMMUNITY COLL., SEATTLE, WASH.
EDRS PRICE MF-$0.25 HC-$1.56 39P.
PUB DATE 66
DESCRIPTORS- *BIOLOGICAL SCIENCES, *BIOLOGY INSTRUCTION, *JUNIOR COLLEGES, *OCEANOLOGY, *TECHNICAL EDUCATION, CAREER OPPORTUNITIES, COMMUNITY SURVEYS, CURRICULUM GUIDES, CURRICULUM RESEARCH, INDUSTRIAL EDUCATION, JOB TRAINING, MARINE BIOLOGY, OCCUPATIONAL INFORMATION, OCCUPATIONAL SURVEYS, SEATTLE, VOCATIONAL EDUCATION.

ED 011 807
OUTDOOR EDUCATION-A METHOD OF TEACHING.
ISENBERG, ROBERT M.
EDRS PRICE MF-$0.25 HC-$0.32 8P.
PUB DATE 67
DESCRIPTORS- *CAMPING, *INSTRUCTIONAL INNOVATION, *LEARNING ACTIVITIES, *LEARNING EXPERIENCE, *OUTDOOR EDUCATION, HEADSTART PROGRAM, LEARNING MOTIVATION, LOS ANGELES, TEACHING METHODS.

ED 011 834
CORE STUDIES FOR UNDERGRADUATE MAJORS-A CONFERENCE REPORT.
HALL, THOMAS AND OTHERS
EDRS PRICE MF-$0.25 HC-$0.40 10P.
PUB DATE 64
DESCRIPTORS- *BIOLOGY, *COLLEGE SCIENCE, *CORE COURSES, *COURSE CONTENT, *CURRICULUM DEVELOPMENT, BERKELEY, CONFERENCES, ST. LOUIS, TEACHER EDUCATION.

ED 011 835
RESEARCH IN THE TEACHING OF SCIENCE JULY 1957 TO JULY 1959
OSBOURN, ELLSWORTH S. AND OTHERS
OFFICE OF EDUCATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.50 HC-$3.76 94P.
PUB DATE 62
DESCRIPTORS- *COLLEGE SCIENCE, *EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, CURRICULUM, DISTRICT OF COLUMBIA, EDUCATIONAL OBJECTIVES, EDUCATIONAL PHILOSOPHY, LEARNING, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING, EQUIPMENT, SCIENCE FACILITIES, TEACHER EDUCATION.

ED 011 836
RESEARCH STUDIES IN COLLEGE SCIENCE FROM JULY 1963 TO JULY 1964.
LEE, ADDISON E. AND OTHERS
TEXAS UNIVERSITY, SCIENCE EDUCATION CENTER, AUSTIN.
EDRS PRICE MF-$0.25 HC$0.96 24P.
PUB DATE 65
DESCRIPTORS- *COLLEGE SCIENCE, *CURRICULUM, *TEACHER EDUCATION, AUSTIN, EDUCATIONAL OBJECTIVES, EDUCATIONAL PHILOSOPHY, EDUCATIONAL RESEARCH DESIGN, EVALUATION, LEARNING, LEARNING THEORIES, SCIENCE EQUIPMENT, SCIENCE FACILITIES, TEACHING METHODS.

ED 011 837
SOME STATISTICS OF U.S. SECONDARY SCHOOLS, 1964-1965.
NSTA STAFF.
EDRS PRICE MF-$0.25 HC-$0.20 5P.
PUB DATE SEP 65
DESCRIPTORS- *SCHOOL ORGANIZATION, *SCIENCE EDUCATION, *SECONDARY SCHOOLS, *TEACHER CHARACTERISTICS, *TEACHER PLACEMENT, MATHEMATICS EDUCATION, NATIONAL ASSOCIATION OF

SECONDARY SCHOOL PRINCIPALS, NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS, NATIONAL SCIENCE FOUNDATION, NATIONAL SCIENCE TEACHERS ASSOCIATION, PRIVATE SCHOOLS, PUBLIC SCHOOLS, SECONDARY SCHOOL SCIENCE, STUDENT ENROLLMENT, TEACHING LOAD.

ED 011 839
A HALF CENTURY OF TEACHING SCIENCE AND MATHEMATICS.
ISENBARGER, KATHARINE U. AND OTHERS
CENTRAL ASSOCIATION OF SCIENCE AND MATH. TEACHERS INC.
EDRS PRICE MF-$1.00 HC-$8.28 207P.
PUB DATE 50

DESCRIPTORS- *CURRICULUM, *EDUCATIONAL OBJECTIVES, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, *TEACHER EDUCATION, BIOLOGY, CENTRAL ASSOCIATION OF SCIENCE AND MATHEMATICS TEACHERS, CHEMISTRY, COURSE CONTENT, COURSE DESCRIPTORS, GENERAL SCIENCE, MATHEMATICS EDUCATION, PHYSICAL SCIENCES, PHYSICS, TEACHING METHODS.

ED 011 840
A DIRECTORY OF INFORMATION RESOURCES IN THE UNITED STATES. PHYSICAL SCIENCES, BIOLOGICAL SCIENCES, ENGINEERING.
LIBRARY OF CONGRESS, WASHINGTON, D.C.
EDRS PRICE MF-$1.50 HC-$14.32 359P.
PUB DATE JAN 65

DESCRIPTORS- *BIOLOGICAL SCIENCES, *DIRECTORIES, *ENGINEERING, *PHYSICAL SCIENCES, DISTRICT OF COLUMBIA, INFORMATION DISSEMINATION, NATIONAL REFERRAL CENTER FOR SCIENCE AND TECHNOLOGY, SCIENCES, TECHNOLOGICAL ADVANCEMENT.

ED 011 841
EVALUATION IN ELEMENTARY SCHOOL SCIENCE.
TANNENBAUM, HAROLD E. AND OTHERS
OFFICE OF EDUCATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.50 HC-$3.32 83P.
PUB DATE 64

DESCRIPTORS- *CURRICULUM EVALUATION, *EDUCATIONAL OBJECTIVES, *ELEMENTARY SCHOOL SCIENCE, *EVALUATION, DISTRICT OF COLUMBIA, EFFECTIVE TEACHING, INSERVICE TEACHER EDUCATION, INSTRUCTION, SCIENCE TESTS, SELF EVALUATION, STUDENT EVALUATION, SUPERVISION, TEACHER EVALUATION, TEST CONSTRUCTION, TEXTBOOK EVALUATION, U.S. OFFICE OF EDUCATION.

ED 011 842
EDUCATIONAL RESEARCH RELATED TO SCIENCE INSTRUCTION FOR THE ELEMENTARY AND JUNIOR HIGH SCHOOL - A REVIEW AND COMMENTARY.
SMITH, HERBERT A.
EDRS PRICE MF-$0.25 HC-$0.08 27P.
PUB DATE SEP 63

DESCRIPTORS- *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, BIBLIOGRAPHIES, COMMISSION ON SCIENCE EDUCATION, COURSE CONTENT, EDUCATIONAL OBJECTIVES, INSTRUCTION, RESEARCH METHODOLOGY, STUDENT EVALUATION, TEACHER EDUCATION, TEACHING METHODS.

ED 011 843
SCIENTIFIC LITERACY IN THE SIXTIES.
KOELSCHE, CHARLES L. MORGAN, ASHLEY G.
GEORGIA UNIVERSITY, ATHENS.
EDRS PRICE MF-$0.25 HC-$1.80 45P.
PUB DATE SEP 64

DESCRIPTORS- *LITERACY, *SCIENTIFIC LITERACY, *SCIENTIFIC PRINCIPLES, ATHENS, BIOLOGICAL SCIENCES CURRICULUM STUDY, CHEMICAL BOND APPROACH, CHEMICAL EDUCATION MATERIALS STUDY, CONCEPT FORMATION, GENERAL EDUCATION, PHYSICAL SCIENCE STUDY COMMITTEE, READING.

ED 011 844
RESEARCH IN THE TEACHING OF SCIENCE,
JOHNSON, LLOYD K. AND OTHERS
OFFICE OF EDUCATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.75 HC-$6.40 160P.
PUB DATE 65

DESCRIPTORS- *COLLEGE SCIENCE, *EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, CURRICULUM, DISTRICT OF COLUMBIA, EDUCATIONAL OBJECTIVES, LEARNING, NATIONAL ASSOCIATION FOR RESEARCH IN SCIENCE TEACHING, RESEARCH REVIEWS, SCIENCE INSTRUCTION, TEACHER EDUCATION, TEACHING METHODS.

ED 011 845
SCIENCE EDUCATION RESEARCH STUDIES - 1950.
JOHNSON, PHILIP G.
OFFICE OF EDUCATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.25 HC-$1.32 33P.
PUB DATE 51

DESCRIPTORS- *COLLEGE SCIENCE, *EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, DISTRICT OF COLUMBIA, RESEARCH REVIEWS (PUBLICATIONS), SCIENCE INSTRUCTION.

ED 011 846
SCIENCE EDUCATION RESEARCH STUDIES-1951.
JOHNSON, PHILIP G.
OFFICE OF EDUCATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.25 HC-$1.32 33P.
PUB DATE FEB 52

DESCRIPTORS- *COLLEGE SCIENCE, *EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, DISTRICT OF COLUMBIA, RESEARCH, RESEARCH REVIEWS (PUBLICATIONS), SCIENCE INSTRUCTION.

ED 011 847
SCIENCE EDUCATION RESEARCH STUDIES-1952.
JOHNSON, PHILIP G.
OFFICE OF EDUCATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.50 HC-$2.36 56P.
PUB DATE JUN 53

DESCRIPTORS- *COLLEGE SCIENCE, EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, DISTRICT OF COLUMBIA, RESEARCH, RESEARCH REVIEWS (PUBLICATIONS), SCIENCE INSTRUCTION.

ED 011 848
SCIENCE EDUCATION RESEARCH STUDIES-1953.
BROWN, KENNETH E. BLACKWOOD, PAUL E.
EDRS PRICE MF-$0.25 HC-$1.40 35P.
PUB DATE 54

DESCRIPTORS- *COLLEGE SCIENCE, *EDUCATIONAL RESEARCH, *ELEMENTARY SCHOOL SCIENCES, *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, RESEARCH, RESEARCH REVIEWS (PUBLICATIONS), SCIENCE INSTRUCTION.

ED 011 852
IMPROVING SCIENCE EDUCATION. REPORT OF A NATIONAL CONFERENCE OF SCIENCE SUPERVISORS (JUNE 14-17. 1966).
PILTZ, ALBERT STIEDLE, WALTER
TEXAS EDUCATION AGENCY, AUSTIN
EDRS PRICE MF-$0.50 HC-$4.00 102P.
PUB DATE JUN 66

DESCRIPTORS- *CURRICULUM, *EDUCATIONAL OBJECTIVES, *FEDERAL LEGISLATION, *SCIENCE EDUCATION, *SCIENCE INSTRUCTION, *SCIENCE SUPERVISION, AUSTIN, DISADVANTAGED YOUTH, LABORATORY SAFETY, LABORATORY TECHNIQUES, LEARNING THEORIES, OUTDOOR EDUCATION, SCIENCE EQUIPMENT, SCIENCE FACILITIES, TEACHER EDUCATION.

ED 011 853
NATIONAL DEFENSE EDUCATION ACT OF 1958, AS AMENDED, TITLE III, ANNUAL REPORT-FISCAL YEAR 1966. PART III, NARRATIVE REPORT, SCIENCE.
PILTZ, ALBERT STEIDLE, WALTER
OFFICE OF EDUCATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.50 HC-$4.00 100P.
PUB DATE 66

DESCRIPTORS- *ANNUAL REPORTS, *CURRICULUM, *ELEMENTARY SCHOOL SCIENCE, *FEDERAL LEGISLATION, *SECONDARY SCHOOL SCIENCE, DISTRICT OF COLUMBIA, INSERVICE TEACHER EDUCATION, NDEA TITLE III, PRESERVICE EDUCATION, SCIENCE EQUIPMENT, SCIENCE FACILITIES, SCIENCE MATERIALS, SCIENCE SUPERVISION, TEACHER EDUCATION.

ED 011 854
GUIDELINES FOR PREPARATION PROGRAMS OF TEACHERS OF SECONDARY SCHOOL SCIENCE AND MATHEMATICS.
NATIONAL ASSN. OF STATE DIR. OF TEACH. EDUC. CERT. AMERICAN ASSN. FOR THE ADVANCEMENT OF SCIENCE.
EDRS PRICE MF-$0.25 HC-$1.64 41P.
PUB DATE SEP 61

DESCRIPTORS- *CERTIFICATION, *SECONDARY SCHOOL SCIENCE, *TEACHER EDUCATION PROGRAMS, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, CARNEGIE CORPORATION OF NEW YORK, COLLEGE SCIENCE, CONFERENCES, PRESERVICE EDUCATION, TEACHER EDUCATION.

ED 011 856
A STUDY OF THE ATTRIBUTES OF APPLICANTS TO NATIONAL SCIENCE FOUNDATION SUMMER INSTITUTES IN 1964.
BERGER, RAYMOND M.
PSYCHOMETRICS CONSULTANTS, LOS ANGELES, CALIFORNIA.
EDRS PRICE MF-$1.50 HC-$14.60 356P.
PUB DATE AUG 65

DESCRIPTORS- *COLLEGE SCIENCE, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE INSTITUTES, *SCIENCE TEACHERS, *SECONDARY SCHOOL SCIENCE, *TEACHER CHARACTERISTICS, *TEACHER EDUCATION, BIOLOGY, CHEMISTRY, CORPORATION FOR ECONOMIC AND INDUSTRIAL RESEARCH, EARTH SCIENCE, LOS ANGELES, MATHEMATICS TEACHERS, NATIONAL SCIENCE FOUNDATION, PHYSICS, SCIENCE RESEARCH ASSOCIATES, SUMMER INSTITUTES.

ED 011 857
IMPACTS OF THE NATIONAL SCIENCE FOUNDATIONS SUMMER SCIENCE PROGRAM FOR HIGH ABILITY SECONDARY SCHOOL STUDENTS.
EDGERTON, HAROLD A. RICHARDSON, BELLOWS HENRY AND CO. INC., NEW YORK.
EDRS PRICE MF-$0.75 HC-$5.88 147P.
PUB DATE 62

DESCRIPTORS- *ABLE STUDENTS, *ACADEMIC ACHIEVEMENT, *EDUCATIONAL PROGRAMS, *SECONDARY SCHOOL SCIENCE, *SECONDARY SCHOOL STUDENTS, *STUDENT ATTITUDES, NATIONAL SCIENCE FOUNDATION, NEW YORK CITY, SCIENCE CAREERS, STUDENT INTERESTS.

ED 011 860
COURSE AND CURRICULUM IMPROVEMENT PROJECTS-MATHEMATICS, SCIENCE, ENGINEERING.
FONTAINE, THOMAS D.
NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.50 HC-$5.00 125P.
PUB DATE SEP 66

DESCRIPTORS- *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE COURSE IMPROVEMENT PROJECT, *SECONDARY SCHOOL SCIENCE, BIOLOGICAL SCIENCES CURRICULUM STUDY, BIOLOGY, CHEMICAL BOND APPROACH, CHEMISTRY, COLLEGE MATHEMATICS, EARTH SCIENCE, EARTH SCIENCE CURRICULUM PROJECT, ELEMENTARY SCHOOL MATHEMATICS, ENGINEERING, NATIONAL SCIENCE FOUNDATION, PHYSICS, PSYCHOLOGY, SECONDARY SCHOOL MATHEMATICS, SOCIAL SCIENCES.

ED 011 861
ACHIEVE LEARNING OBJECTIVES, PAPERS PREPARED ESPECIALLY FOR A SUMMER INSTITUTE ON EFFECTIVE TEACHING FOR YOUNG ENGINEERING TEACHERS (PENNSYLVANIA STATE UNIVERSITY, AUGUST 28 THROUGH SEPTEMBER 3, 1960).
LANCASTER, OTIS E.
PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK.
EDRS PRICE MF-$2.25 HC-$21.32 533P.
PUB DATE SEP 60

DESCRIPTORS- *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *ENGINEERING EDUCATION, *LEARNING THEORIES, *PAPERS, *SCIENCE EDUCATION, *TEACHING METHODS, AMERICAN SOCIETY OF ENGINEERING EDUCATION, AUDIOVISUAL AIDS, BIBLIOGRAPHIES, CONFERENCE REPORTS, EDUCATIONAL OBJECTIVES, EDUCATIONAL RESEARCH, EVALUATION, FORD FOUNDATION, TEACHER EDUCATION, THE ENGINEERS COUNCIL FOR PROFESSIONAL DEVELOPMENT.

ED 011 862
PROCEEDINGS ON THE CONFERENCE ON THE IMPACT OF COMPUTERS OF EDUCATION IN ENGINEERING DESIGN (CHICAGO, APRIL 21-23, 1966).
FENVES, STEVEN J. AND OTHERS
COMMISSION ON ENGINEERING EDUCATION, WASHINGTON, D.C.
EDRS PRICE MF-$0.75 HC-$7.20 180P.
PUB DATE 66

DESCRIPTORS- *CONFERENCE REPORTS, *CURRICULUM DEVELOPMENT, *ENGINEERING EDUCATION, *TECHNICAL EDUCATION, CHICAGO, COMPUTER ASSISTED INSTRUCTION, DISTRICT OF COLUMBIA, EDUCATIONAL TECHNOLOGY, INFORMATION RETRIEVAL, INSTRUCTION, NATIONAL SCIENCE FOUNDATION, SCIENCE EDUCATION.

ED 011 866
GUIDELINES AND SUGGESTED TITLE LIST FOR UNDERGRADUATE CHEMISTRY LIBRARIES, A REPORT OF A,C.C.C. PANEL MEETINGS ON GUIDELINES FOR BOOKLISTS AND LIBRARY DEVELOPMENT (WASHINGTON, D.C. FEBRUARY 1965).
LIPPINCOTT, W. T. AND OTHERS
ADVISORY COUNCIL ON COLLEGE CHEMISTRY.
EDRS PRICE MF-$0.25 HC-$1.96 49P.
PUB DATE APR 66

DESCRIPTORS- *BOOKLISTS, *CHEMISTRY, *COLLEGE SCIENCE, *TEXTBOOKS, ADVISORY COUNCIL ON COLLEGE CHEMISTRY (ACCC).

ED 011 867
TEACHING EARLY ADOLESCENTS TO THINK.
BAUGHMAN, M. DALE
JUNIOR HIGH SCHOOL ASSN. OF ILLINOIS, URBANA.
EDRS PRICE MF-$0.50 HC-$3.08 77P.
PUB DATE 64

DESCRIPTORS- *CREATIVE THINKING, *CRITICAL THINKING, *ENGLISH EDUCATION, *INQUIRY TRAINING, *PAPERS, *SECONDARY SCHOOL SCIENCE, *SOCIAL STUDIES, ART EDUCATION, BIBLIOGRAPHIES, COGNITIVE PROCESSES, INDUCTIVE METHODS, JUNIOR HIGH SCHOOL ASSOCIATION OF ILLINOIS, PROBLEM SOLVING, SPEECHES, STUDENT CHARACTERISTICS, TEACHING METHODS, URBANA.

ED 011 965
HIGH SCHOOL PHYSICS BY TELEVISION - THE HOUSTON AREA PROJECT.
STREVELL, WALLACE H.
HOUSTON UNIV., TEXAS, BUR OF EDUC, RES. AND SER.
EDRS PRICE MF-$0.25 HC-$1.60 40P.
PUB DATE SEP 60

DESCRIPTORS- *GROUPING (INSTRUCTIONAL PURPOSES), *INSTRUCTIONAL TECHNOLOGY, *PHYSICS INSTRUCTION, *PROGRAM EFFECTIVENESS, *TELEVISED INSTRUCTION, CLASS ORGANIZATION, CONVENTIONAL INSTRUCTION, HIGH SCHOOL STUDENTS, HOUSTON, NEGRO STUDENTS, OPEN CIRCUIT TELEVISION.

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DESCRIPTORS- *COMPUTER ORIENTED PROGRAMS, *CURRICULUM PLANNING, *LEARNING THEORIES, *MATHEMATCAL MODELS, *SEQUENTIAL LEARNING, ALGORITHMS, REINFORCEMENT, SCHEDULING, SIMULATION, STUDENTS.

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NATIONAL SOCIETY FOR THE STUDY OF EDUCATION, CHICAGO.
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RUTHERFORD, F. JAMES AND OTHERS
NATIONAL SCIENCE TEACHERS ASSN., WASHINGTON, D.C.
EDRS PRICE MF -$0.25 HC-$0.32 8P.
PUB DATE OCT 66

DESCRIPTORS- *COLLEGE SCIENCE *CURRICULUM DEVELOPMENT, *DOCTORAL DEGREES, *SCIENCE EDUCATION, *TEACHER EDUCATION, ASSOCIATION FOR THE EDUCATION OF TEACHERS IN SCIENCE, CURRICULUM, DISTRICT OF COLUMBIA, DOCTORAL PROGRAMS, GRADUATE STUDY.

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TAYLOR, WAYNE AND OTHERS
MICHIGAN STATE UNIV., EAST LANSING.
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DESCRIPTORS- *BIBLIOGRAPHIES, *EDUCATIONAL RESEARCH, *RESEARCH REVIEWS (PUBLICATIONS), *SCIENCE EDUCATION, *SECONDARY SCHOOL SCIENCE, ACADEMIC ACHIEVEMENT, ATTITUDES, BIOLOGY, CHEMISTRY, CURRICULUM, EARTH SCIENCE, EAST LANSING, EFFECTIVE TEACHING, EVALUATION, INSTRUCTION, INSTRUCTIONAL. MATERIALS, LEARNING, PHYSICAL SCIENCES, PHYSICS, SCIENCE FACILITIES, TEACHER EDUCATION, TEACHING METHODS.

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WISCONSIN STATE DEPT. OF PUB. INSTR., MADISON
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DESCRIPTORS- *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *SCIENCE COURSE IMPROVEMENT PROJECT, *SCIENCE EQUIPMENT, *SCIENCE MATERIALS, *SECONDARY SCHOOL SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, ASTRONOMY, BIBLIOGRAPHIES, BIOLOGICAL SCIENCES CURRICULUM STUDY, BIOLOGY, CHEMICAL BOND APPROACH, CHEMISTRY, EARTH SCIENCE, MADISON, MINNEMAST, PHYSICAL SCIENCES, PHYSICS.

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COCKCROFT, JOHN AND OTHERS
ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT.
EDRS PRICE MF-$0.50 HC-$4.16 104P.
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DESCRIPTORS- *EDUCATIONAL POLICY, *HIGHER EDUCATION, *SCIENCE EDUCATION, *SCIENTIFIC MANPOWER, *VOCATIONAL EDUCATION, COLLEGE SCIENCE, FRANCE, MANPOWER DEVELOPMENT, MANPOWER UTILIZATION, NATURAL SCIENCES, PARIS, SCIENCES, UNITED STATES.

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VIALL, WILLIAM P. AND OTHERS
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WASHINGTON, D.C.
EDRS PRICE MF-$0.25 HC-$1.20 30P.
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DESCRIPTORS- *COLLEGE SCIENCE, *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *TEACHER EDUCATION, COLLEGE MATHEMATICS, DISTRICT OF COLUMBIA, EDUCATIONAL PROGRAMS, ELEMENTARY SCHOOL MATHEMATICS, INSERVICE EDUCATION, PRESERVICE EDUCATION.

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PUB DATE 63

DESCRIPTORS- *ANNOTATED BIBLIOGRAPHIES, *COLLEGE SCIENCE, *CURRICULUM, *EARCH SCIENCE, *GEOLOGY, *SCIENCE EDUCATION, AMERICAN GEOLOGICAL INSTITUTE, DISTRICT OF COLUMBIA, GEOSTUDY PROGRAM, GRADUATE STUDY, NATIONAL ASSOCIATION OF GEOLOGY TEACHERS, NATIONAL SCIENCE FOUNDATION, UNDERGRADUATE STUDY.

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EDRS PRICE MF-$0.25 HC-$0.80 20P.
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THE NEW SCHOOL SCIENCE,
A REPORT TO SCHOOL ADMINISTRATORS ON

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VIALL, WILLIAM P. AND OTHERS
AMERICAN ASSN. FOR THE ADVANCEMENT OF SCIENCE.
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DESCRIPTORS- *CURRICULUM DEVELOPMENT, *ELEMENTARY SCHOOL SCIENCE, *SECONDARY SCHOOL SCIENCE, ADMINISTRATION, BIOLOGY, CHEMICAL BOND APPROACH, CHEMISTRY, CURRICULUM, DISTRICT OF COLUMBIA, EARTH SCIENCE, EARTH SCIENCE CURRICULUM PROJECT, NATIONAL SCIENCE FOUNDATION, NATURAL SCIENCES, PHYSICS, SCHOOL ADMINISTRATION, SCIENCE COURSE IMPROVEMENT PROJECT, SUPERVISION.

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ED 012 252
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AUBURN UNIV., ALA.
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DESCRIPTORS- *ACADEMIC ACHIEVEMENT, *COLLEGE SCIENCE, *EVALUATION, *GENERAL SCIENCE, *INSTRUCTIONAL PROCEDURES, *PROGRAMED INSTRUCTION, ATOMIC STRUCTURE, AUBURN, CHEMICAL BONDING, LEARNING, NELSON DENNY READING TEST, RETENTION, SEQUENTIAL TEST OF EDUCATIONAL PROGRESS, TEACHER EDUCATON, TESTING.

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